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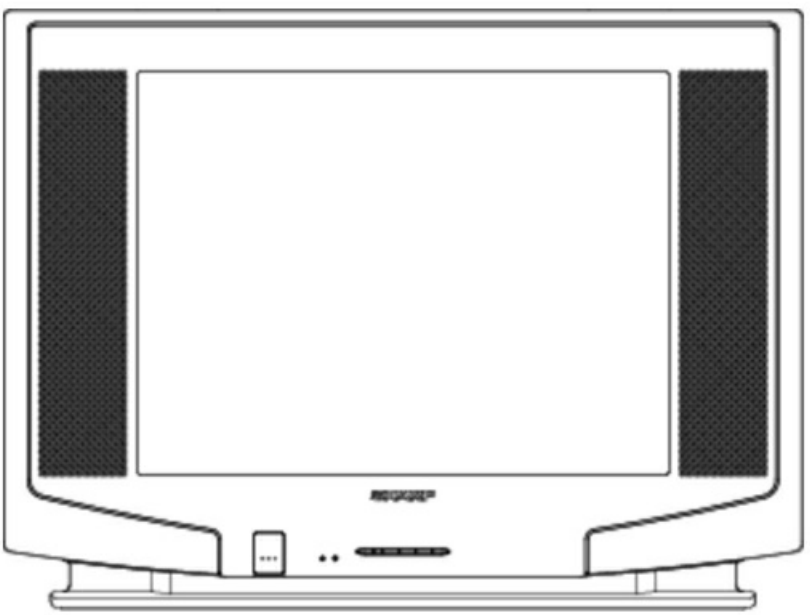
SHARP 21L-FG1RU SERVICE MANUAL



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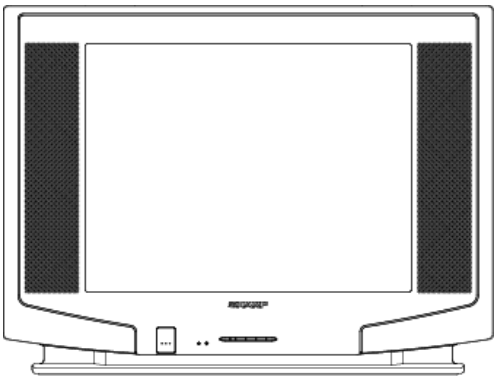

No. S551721LFG1SA

COLOUR TELEVISION

Chassis No.GA-6

21L-FG1SA
21L-FG1SF
21L-FG1SM
MODELS 21L-FG1RU

In the interests of user-safety (Required by safety regulations in some countries) the set should be restored to its original condition and only parts identical to those specified should be used.

FEATURES

- Multi 18 Systems
- Full Auto Channel Preset and Auto Channel Skip
- 100-CH Program Memory
- CATV (Hyper Band) Ready <Used Frequency Synthesizer Tuner>
- Black Stretch Circuit
- On Timer/Off Timer/Reminder Timer
- Blue Back Function
- Aperture Control Circuit
- Auto Fine Tuning
- NTSC Colour Comb Filter (AV THRU)
- High Contrast Picture
- Hotel Mode
- White Temperature Select
- AV Stereo
- Multi Languages OSD (English/Chinese/French/Malay and Arabic) for Model 21L-FG1SA/SM (English/Chinese/French/Malay/Arabic and Russian) for Model 21L-FG1SF (English and Russian) for Model 21L-FG1RU
- Surround Sound Effect (With Bass/Treble/Balance)
- Rear AV IN / OUT Terminals

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Parts Guide

WARNING

The chassis in this receiver is partially hot. Use an isolation transformer between the line cord plug and power receptacle, when servicing this chassis. To prevent electric shock, do not remove cover. No user-serviceable parts inside. Refer servicing to qualified service personnel.

SHARP CORPORATION

CHAPTER 1. SPECIFICATIONS

[1] SPECIFICATIONS

Convergence	Self Convergence System
Focus	UNI-BI Focusing
Sweep Deflection	Magnetic
Intermediate Frequencies	
Picture IF Carrier	38.9MHz
Sound IF Carrier Frequency	
6.5MHz	32.4MHz
6.0MHz	32.9MHz
5.5MHz	33.4MHz
Colour Sub-Carrier Frequency	34.47MHz
Power Input	110 ~ 240V AC 50/60 Hz 220 ~ 240V AC 50/60 Hz (21L-FG1RU)
Power Consumption	88W
Audio Power Output Rating	3W(rms) x 2
Speaker	
Size	9 x 5 cm Elliptic (2 pcs)
Voice Coil Impedance	16 ohms at 400 Hz
Aerial Input Impedance	
VHF/UHF	75 ohms Unbalanced
Receiving System	PAL I, B/G, D/K & SECAM B/G, D/K, -K1
Receiving Channel	
VHF-Channels	E2(48.25MHz) thru E12(224.25MHz) C1(49.75MHz) thru C12(216.25 MHz) S1(105.25MHz) thru S41(463.25HMz)
UHF-Channels	E21(471.25MHz) thru E69(855.25MHz) C13(471.25MHz) thru C57(863.25MHz)
Dimensions	Width: 625mm Height: 470mm Depth: 498.2mm Weight(approx): 22 kg
Cabinet material	All Plastics

Specifications are subject to change without prior notice

CHAPTER 2. IMPORTANT SERVICE NOTES

[1] IMPORTANT SERVICE NOTES

Maintenance and repair of this receiver should be done by qualified service personnel only.

1. SERVICE OF HIGH VOLTAGE SYSTEM AND PICTURE TUBE

When servicing the high voltage system, remove static charge from it by connecting a 10K ohm resistor in series with an insulated wire (such as a test probe) between picture tube dag and 2nd anode lead. (AC line cord should be disconnected from AC outlet.)

1) Picture tube in this receiver employs integral implosion protection.
2) Replace with the same type number of picture tube for continued safety.
3) Do not lift picture tube by the neck.
4) Handle the picture tube only when wearing shatterproof goggles and after discharging the high voltage completely.

2. X-RAY

This receiver is designed so that any X-Ray radiation is kept to an absolute minimum. Since certain malfunctions or servicing may produce potentially hazardous radiation with prolonged exposure at close range, the following precautions should be observed:

1) When repairing the circuit, please make sure do not increase the high voltage of the set to more than 30.0kV (at beam 0μA).
2) To keep the set in a normal operation, please make sure it's function at 26.8kV ± 1.0kV (at beam 1,100μA). The set has been factory - adjusted to the above-mentioned high voltage.

   *If there is a possibility that the high voltage fluctuates as a result of the repairs, never forget to check for such high voltage after the work.
3) Do not substitute a picture tube with unauthorizerd types and/or brands which may cause excessive X-ray radiation.

3. BEFORE RETURNING THE RECEIVER

Before returning the receiver to the user, perform the following safety checks.

1) Inspect all lead dress to make certain that leads are not pinched or that hardware is not lodged between the chassis and other metal parts in the receiver.
2) Inspect all protective devices such as non-metal control knobs, insulating materials, cabinet backs, adjustment and compartment covers or shields, isolation resistor-capacity networks, mechanical insulators etc.

CHAPTER 3. ADJUSTMENT PRECAUTIONS

[1] ADJUSTMENT PRECAUTIONS

This model's setting are adjusted in two different ways: through the I2C bus control and in the conventional analog manner. The adjustments via the I2C bus control include preset-only items and variable data.

CAUTION: Make sure TV set in "Normal condition" before switch to Service Mode for adjustment.

1. Setting the service mode by the microprocessor.
   i) Power OFF the TV set. Press both CH-UP and VOL-DOWN on the TV set and then turn on the Main Power simultaneously. Wait for 5 seconds, the TV will switch to Service Mode and the micrprocessor is in input mode. (Adjustment through 12C bus control) Service mode also can be reached by pressing “Service” key (code: 81 Hex)
   ii) Press the MENU key on the remote controller to get ready to select the mode (Adjustment mode, Setting mode, Check mode and Option mode) one by one.
   iii) Press the CH DOWN / UP key on the remote controller to select the item in Adjustment mode, Setting mode or Option mode.
   iv) Using the VOLUME UP/ DOWN key on the remote controller, the data can be modified. Please wait approximately 200 msec for data storage in EEPROM before select to another mode.
   v) In Check mode the data cannot be changed.
   vi) Press both CH-UP and VOL-DOWN buttons on the TV set simutaneously or press the “SERVICE” (81 HEX) key again, it will switch to the NORMAL mode position, and the microprocessor is out of the SERVICE mode.

2. Factory Presetting.
   i) During Service mode, press both CH-UP and VOL-UP on the TV set simultaneously fro 5 seconds. Then release the CH-UP and VOL-UP button. Initial values are preset.
   ii) The initial data are preset as listed in page 3-7 to 3-12.
   iii) Make sure the data need modification or not (Initial data).

   Precaution: If haven't done this initialization, it may possibly generate excessive Beam current.
3. For reference please check with memory map RH-IXB725WJN1. (See Page 4-1 ~ 4-16)

1. ADJUSTMENT ITEM

***Below are the adjustment items that should be done, PLS FOLLOW THE PROCEDURE. Otherwise some adjustment items will not be accurate.

NO ***	ADJUSTMENT ITEM	EFFECTIVE MODEL	REVISION
1	BUS SET UP	ALL MODELS	
2	OPTION SET UP		
3	H-VCO		
4	VIF-VCO		
5	S-TRAP fo		
6	RF-AGC		
7	PURITY ADJ		
8	CONVERGENCE ADJ		
9	FOCUS ADJ		
10	V-SHIFT (50 Hz)		
11	H-SHIFT (50 Hz)		
12	V-SIZE (50 Hz)		
13	SCREEN		
14	WHITE BALANCE		
15	SUB-BRIGHTNESS		
16	SUB-CONTRAST		
17	SUB-TINT		
18	SUB-COLOR		
19	SECAM-OFFSET		
20	BEAM CURRENT CHECK		
21	BEAM PROTECTOR CHECK		
22	HV PROTECTOR CHECK		
23	OTHER PROTECTOR CHECK		
24	AV OUT CHECK		
25	AV IN CHECK		
26	CONTRAST CONTROL CHECK		
27	COLOR CONTROL CHECK		
28	BRIGHTNESS CONTROL CHECK		
29	TINT CONTROL CHECK		
30	SHARPNESS CONTROL CHECK		
31	CH DISPLAY COLOR CHECK		
32	NORMAL DISPLAY CHECK		
33	WHITE TEMP CONTROL CHECK		
34	COLOR SYSTEM CHECK		
35	SURROUND CHECK		
36	TREBLE CHECK		
37	BASS CHECK		
38	BALANCE CHECK		
39	SOUND SYSTEM CHECK		
40	NOISE MUTE CHECK		
41	OSD LANGUAGE QUANTITY CHECK		
42	SHOCK TEST CHECK		
43	ROM CORRECTION CHECKING		

2. USER DATA IN SERVICE MODE

1) While SERVICE mode ON, EEPROM DATA will switch to the service data. Also, once SERVICE mode OFF, EEPROM will switch back to previous USER DATA.

2) In the service mode, the user data establish as below,

	USER DATA
CONTRAST	MAX (60)
COLOUR	CENT (0)
BRIGHTNESS	CENT (0)
TINT	CENT (0)
SHARPNESS	CENT (0)
WHITE TEMP	STANDARD
S-VOLUME	MIN
SURROUND	OFF
TREBLE	CENT (0)
BASS	CENT (0)
BALANCE	CENT (0)
BLUE BACK	OFF
C SYSTEM	AUTO
S SYSTEM	*1

*1: For each CH, data is same as before switch to Service mode.

The flow of Mode list as following,

* Direct Key-in Mode for Service Items in Service Mode

RC CODE (HEX)	R/C KEY NAME	SERVICE-ITEM
80	POS 1	R-C UP (IN SERVICE MODE V00)
40	POS 2	G-C UP (IN SERVICE MODE V00)
C0	POS 3	B-C UP (IN SERVICE MODE V00)
20	POS 4	R-C DOWN (IN SERVICE MODE V00)
A0	POS 5	G-C DOWN (IN SERVICE MODE V00)
60	POS 6	B-C DOWN (IN SERVICE MODE V00)
E0	POS 7	R-D UP (IN SERVICE MODE V00)
10	POS 8	B-D UP (IN SERVICE MODE V00)
50	POS 0	B-D DOWN (IN SERVICE MODE V00)
E4	FLASHBACK	R-D DOWN (IN SERVICE MODE V00)
E4	FLASHBACK	Y-MUTE (BESIDES OF SERVICE MODE V00)
75	WHITE TEMP UP	RF-AGC (V01)
F5	WHITE TEMP DOWN	VIF-VC0 (V02)
C2	TUNE DOWN	H-VCO (V03)
8D	SHARPNESS DOWN	SUB-CON (V04)
D6	BALANCE LEFT	SUB-COL (V05)
0D	SHARPNESS UP	SUB-BRIGHT (V06)
36	BALANCE RIGHT	SUB-TINT (V07)
46	TREBLE UP	SUB-SHP (V08)
C6	TREBLE DOWN	SUB-COL-YUV (V09)
26	BASS UP	SUB-TINT-YUV (V10)
24	COLOUR UP	V-SIZE (V11), V-SIZE60 (V17)
54	BRIGHTNESS DOWN	V-SHIFT (V12), V-SHIFT60 (V18)
74	TINT DOWN	H-SHIFT (V13), H-SHIFT60 (V19)
66	SURROUND UP	SCM-BR (V14)
E6	SURROUND DOWN	SCM-BB (V15)
C4	CONTRAST DOWN	SUB-VOL (V16)
4C	PICTURE	S-TRAP-BG (V20)
CC	HOLD	S-TRAP-I (V21)
2C	TEXT	S-TRAP-DK (V22)
AC	CANCEL	S-TRAP-M (V23)
EC	SIZE	S-TRAP-574 (V24)
80	POS 1	R-C UP YUV (IN SERVICE MODE V25)
40	POS 2	G-C UP YUV (IN SERVICE MODE V25)
C0	POS 3	B-C UP YUV (IN SERVICE MODE V25)
20	POS 4	R-C DOWN YUV (IN SERVICE MODE V25)
A0	POS 5	G-C DOWN YUV (IN SERVICE MODE V25)

RC CODE (HEX)	R/C KEY NAME	SERVICE-ITEM
60	POS 6	B-C DOWN YUV (IN SERVICE MODE V25)
E0	POS 7	R-D UP YUV (IN SERVICE MODE V25)
10	POS 8	B-D UP YUV (IN SERVICE MODE V25)
50	POS 0	B-D DOWN YUV (IN SERVICE MODE V25)
E4	FLASHBACK	R-D DOWN YUV (IN SERVICE MODE V25)
C1		AUTO ADJ FOR V01, V02, V03, V20, V21, V22, V23, V24
CA		T-SET
81		SERVICE MODE

1) Please set the MCL to MCL1 as below:

2) After set the MCL, please set the INITIAL SETTING for each models.

INITIAL 3 : For Singapore and Africa (All Channel Sound System are set to B/G)

INITIAL 4 : For Middle-East (All Channel Sound System are set to B/G)

INITIAL 5 : For Russian (All Channel Sound System are set to D/K)

MCL1 (HEX AE)		
CH-No	Fv (MHz)	Sound Sys
0		
1	48.25	B/G
2	62.25	B/G
3	77.25	D/K
4	175.25	B/G
5	182.25	B/G
6	183.25	D/K
7	191.25	D/K
8	196.25	B/G
9	199.25	M
10	210.25	B/G
11	224.25	B/G
12	471.25	B/G
13	487.25	I
14	503.25	B/G
15	575.25	B/G
16	583.25	B/G
17	599.25	B/G
18	621.25	M
19	639.25	D/K
20	703.25	B/G
21	735.25	I
22	767.25	B/G
23	815.25	B/G
24	855.25	I
25	855.25	B/G
26	55.25	M
27	83.25	M
28	183.25	M
29	193.25	M
30	217.25	M
31	471.25	M
32	477.25	M
33	693.25	M
34	885.25	M
35	112.25	B/G
36	168.25	B/G
37		
38	294.25	B/G
39	463.25	B/G
40		
41	647.25	B/G
42	663.25	B/G
43	679.25	B/G
44	174.95	B/G
45	175.55	B/G

MCL1 (HEX AE)		
CH-No	**Fv (MHz)**	**Sound Sys**
46		
47		
48		
49		
50		
51		
52		
53		
54		
55		
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		

NOTE: PLL DATA OF ABOVE FREQ SHOULD TAKE THE ACCOUNT OF PIF SETTING IN SERVICE OPTION O04 (VIF) BEFORE STORING INTO EEPROM.

3. SHIPPING SETTING & CHECKING

(1) The following default data has been factory-set for the E2PROM follow by INITIAL DATA selected.

ITEMS	DATA SETTING
LAST POWER	ON
LAST TV/AV MODE	TV MODE
LAST POSITION	CH 1
FLASHBACK CHANNEL	CH 1
1/2 DIGIT ENTRY	2 DIGIT ENTRY
VOLUME	0 (Min)
BLUE BACK	OFF
OFF TIMER	--:--
ON TIMER	--:--
ON TIMER POSITION	--
ON TIMER VOLUME	--
REMINDER	--:--
AFT	ALL CH ON
COLOR SYSTEM	ALL CH AUTO
SKIP	ALL CH OFF
CONTRAST	60
COLOR	0
BRIGHTNESS	0
TINT	0
SHARPNESS	0
WHITE TEMP	0
SURROUND	OFF
TREBLE	0
BASS	0
BALANCE	0 (CENTER)

INITIAL	LANGUAGE	SOUND SYSTEM
1	CHINESE	D/K
2	CHINESE	I
3	ENGLISH	B/G
4	ARABIC	B/G
5	RUSSIAN	D/K
6	MALAY	B/G
7	FRENCH	D/K

(Reference: Geomagnetism Adjustment)

MODEL	MAGNETIC FIELD(V, H) nT		BACKGROUND	LANG.	S-SYS	LANG QTY
SINGAPORE	-10000	40000	12300°K	ENGLISH	B/G	5
AFRICA	-10000	40000	12300°K	ENGLISH	B/G	5
MID-EAST	30000	20000	18000°K	ARABIC	B/G	6
RUSSIA	45000	20000	7500°K	RUSSIAN	D/K	2

*NOTE FOR OSD TYPE:

5: ENGLISH/CHINESE/FRENCH/ARABIC/MALAY

6: ENGLISH/CHINESE/FRENCH/ARABIC/MALAY/RUSSIAN

2: ENGLISH/RUSSIAN

**AFTER INITIALIZED THE EEPROM (REFER TO FACTORY PRESETTING), READ DATA FROM EEPROM ADDRESS 00H ~ 03H, AND COMPARE TO THE LIST BELOW, IF DIFFERENT, INITIALIZE THE EEPROM.

ADDRESS	DATA	ADDRESS	DATA
00H:	7BH	02H:	72H
01H:	77H	03H:	75H

*** There are four stages of service mode data. First stage data from V00 ~ V31 (Adjustment Mode).

To go into second stage of service mode data, press MENU key. Second stage data from F01 ~ F140 (Setting Mode).

To go into third stage of service mode data, press MENU key. Third stage data is Check Mode.

To go into fourth stage of service mode data, press MENU key. Fourth stage data from O01 ~ O31 (Option Mode).

ADJUSTMENT MODE (FIRST STAGE)					
EEPROM ITEMS	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**FIX/ADJ/AUTO**	**REMARK**
R-DRIVE	V00	0~127	63	ADJ	PLS REFER TO
B-DRIVE	V00	0~127	63	ADJ	ADJ ITEM FOR
R-CUT	V00	0~255	127	ADJ	SCREEN AND
G-CUT	V00	0~255	127	ADJ	WHITE BALANCE
B-CUT	V00	0~255	127	ADJ	
RF-AGC	V01	0~127	50	AUTO	
VIF-VCO	V02	0~63	31	AUTO	
H-VCO	V03	0~7	3	AUTO	
SUB-CONTRAST	V04	0~127	100	ADJ	
SUB-COLOR	V05	0~127	63	ADJ	
SUB-BRIGHT	V06	0~255	127	ADJ	
SUB-TINT	V07	0~127	63	ADJ	
SUB-SHARPNESS	V08	0~63	43	*FIX	BUS SETUP
SUB-COLOR -YUV	V09	0~127	90	FIX	
SUB-TINT-YUV	V10	0~127	63	FIX	
V-SIZE 50 Hz	V11	0~63	38	ADJ	
V-SHIFT 50 Hz	V12	0~7	3	ADJ	
H-SHIFT 50 Hz	V13	0~31	9	ADJ	
SECAM-BR	V14	0~63	37	ADJ	
SECAM-BB	V15	0~63	22	ADJ	
SUB-VOL	V16	0~60	60	FIX	
V-SIZE 60 Hz	V17	-31~0~+31	0	*FIX	BUS SETUP
V-SHIFT 60 Hz	V18	-7~0~+7	-1	FIX	IF NECESSARY, ADJ
H-SHIFT 60 Hz	V19	-15~0~+15	+2	FIX	IF NECESSARY, ADJ
S-TRAP (BG)	V20	0~15	7	AUTO	
S-TRAP (I)	V21	0~15	7	AUTO	
S-TRAP (DK)	V22	0~15	7	AUTO	
S-TRAP (M)	V23	0~15	7	AUTO	
S-TRAP (5.74)	V24	0~15	7	AUTO	
CUTOFF/BKGD YUV	V25				
R-DRI YUV	V25	0~127	63	FIX	
B-DRI YUV	V25	0~127	63	FIX	
R-CUT YUV	V25	0~255	127	FIX	
G-CUT YUV	V25	0~255	127	FIX	
B-CUT YUV	V25	0~255	127	FIX	
SUB-CON YUV	V26	0~127	100	FIX	
SUB-BRGHT YUV	V27	0~255	127	FIX	
VS-CORRECT	V28	0~63	32	*FIX	BUS SETUP
VC-CORRECT OFFSET	V29	-13~+13	0	*FIX	BUS SETUP
V LINEARITY	V30	0~63	32	*FIX	BUS SETUP
V LINEARITY OFFSET	V31	-13~+13	0	*FIX	BUS SETUP

SETTING MODE (SECOND STAGE)						
EEPROM ITEMS	**FUNCTION**	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**FIX/ADJ/ AUTO**	**REMARK**
C.CLIP-LVL	CLIP LEVEL CONTRAST CONTROL OF RGB INPUT	F01	0(20H) / 1(40H)	0	FIX	
RGB-CLIP	CLIPPING OF RGB CONTRAST CONTROL	F02	0 (CLIP OFF) / 1(CLIP ON)	0	FIX	
BS	BLACK STRETCH	F03	0(ON) / 1(OFF)	0	FIX	
ABCL	ABCL PROCESSING (ACL PROCESSING)	F04	0(OFF) / 1(ON)	0	FIX	
ABCL-GAIN	ABCL PROCESSING GAIN	F05	0(LOW) / 1(HIGH)	0	FIX	
S-OUT-LVL	AUDIO OUTPUT GAIN CONTROL	F06	0~127	95	FIX	
VIF-G	P-IF DETECTION GAIN OUTPUT	F07	0~7	4	*FIX	BUS SETUP
SHPG	SHARPNESS GAIN	F08	0(NORMAL) / 1(HIGH)	0	FIX	
SHPG-P	SHARPNESS GAIN PAL	F09	0(NORMAL) / 1(HIGH)	0	FIX	
SHPG-S	SHARPNESS GAIN SECAM	F10	0(NORMAL) / 1(HIGH)	0	FIX	
SHPG-N4	SHARPNESS GAIN N443	F11	0(NORMAL) / 1(HIGH)	0	FIX	
SHPG-N3	SHARPNESS GAIN N358	F12	0(NORMAL) / 1(HIGH)	1	FIX	
YDL	Y SIGNAL DELAY	F13	0~7	5	FIX	
YDL-P	Y SIGNAL DELAY PAL	F14	0~7	5	FIX	
YDL-S	Y SIGNAL DELAY SECAM	F15	0~7	7	FIX	
YDL-N4	Y SIGNAL DELAY N443	F16	0~7	5	FIX	
YDL-N3	Y SIGNAL DELAY N358	F17	0~7	5	FIX	
YDL-AV	Y SIGNAL DELAY AV	F18	0~7	6	FIX	
YDL-AV-P	Y SIGNAL DELAY PAL (AV)	F19	0~7	6	FIX	
YDL-AV-S	Y SIGNAL DELAY SECAM (AV)	F20	0~7	7	FIX	
YDL-AV-N4	Y SIGNAL DELAY N443 (AV)	F21	0~7	6	FIX	
YDL-AV-N3	Y SIGNAL DELAY N358 (AV)	F22	0~7	6	*FIX	BUS SETUP
YDL-YUV	Y SIGNAL DELAY YUV	F23	0~7	6	FIX	
COL-AV (OFFSET)	COLOUR OFFSET AV	F24	-31~0~+31	+10	*FIX	BUS SETUP
COL-P (OFFSET)	COLOUR OFFSET PAL	F25	-31~0~+31	0	FIX	
COL-S (OFFSET)	COLOUR OFFSET SECAM	F26	-31~0~+31	+9	FIX	
COL-N4 (OFFSET)	COLOUR OFFSET N443	F27	-31~0~+31	-8	FIX	
COL-N3 (OFFSET)	COLOUR OFFSET N358	F28	-31~0~+31	-7	FIX	
COL-ADJ (OFFSET)	COLOUR OFFSET ADJUST	F29	-31~0~+31	0	*FIX	BUS SETUP
SHP-AV (OFFSET)	SHARPNESS OFFSET AV	F30	-31~0~+31	+5	*FIX	BUS SETUP
SHP-YUV (OFFSET)	SHARPNESS OFFSET YUV	F31	-31~0~+31	0	FIX	
SHP-P (OFFSET)	SHARPNESS OFFSET PAL	F32	-31~0~+31	0	FIX	
SHP-S (OFFSET)	SHARPNESS OFFSET SECAM	F33	-31~0~+31	-5	FIX	
SHP-N4 (OFFSET)	SHARPNESS OFFSET N443	F34	-31~0~+31	0	FIX	
SHP-N3 (OFFSET)	SHARPNESS OFFSET N358	F35	-31~0~+31	0	FIX	
TINT-AV (OFFSET)	TINT OFFSET AV	F36	-63~0~+63	0	*FIX	BUS SETUP
TINT-ADJ (OFFSET)	TINT OFFSET ADJUST	F37	-63~0~+63	0	*FIX	BUS SETUP
TINT-YUV-ADJ (OFFSET)	TINT YUV OFFSET ADJUST	F38	-63~0~+63	0	FIX	
R-R (OFFSET)	R-DRIVE OFFSET WHEN WHITE TEMP IS RED	F39	-63~0~+63	+8	*FIX	BUS SETUP
B-R (OFFSET)	B-DRIVE OFFSET WHEN WHITE TEMP IS RED	F40	-63~0~+63	-10	*FIX	BUS SETUP
R-B (OFFSET)	R-DRIVE OFFSET WHEN WHITE TEMP IS BLUE	F41	-63~0~+63	-3	*FIX	BUS SETUP
B-B (OFFSET)	B-DRIVE OFFSET WHEN WHITE TEMP IS BLUE	F42	-63~0~+63	+13	*FIX	BUS SETUP
TRAP	CENTER VALUE OF CHROMA TRAP	F43	0~3	2	FIX	
TRAP-P	CENTER VALUE OF CHROMA TRAP PAL	F44	0~3	2	FIX	
TRAP-S	CENTER VALUE OF CHROMA TRAP SECAM	F45	0~3	2	FIX	
TRAP-N4	CENTER VALUE OF CHROMA TRAP N443	F46	0~3	2	FIX	
TRAP-N3	CENTER VALUE OF CHROMA TRAP N358	F47	0~3	2	FIX	
1W-TV	VERT SYNC DETECTION MODE FOR AV (1 WINDOW/2 WINDOW)	F48	ACCEPTABLE PERIOD: 0(AUTOMATIC CHANGE) / 1(FIX (WIDE))	0	FIX	
1W-AV	VERT SYNC DETECTION MODE FOR TV (1 WINDOW/2 WINDOW)	F49	ACCEPTABLE PERIOD: 0(AUTOMATIC CHANGE) / 1(FIX (WIDE))	1	FIX	
V-FREE (NO SYNC)	SET VERTICAL TO FORCED FREE RUN MODE	F50	0(NORMAL) / 1(FRERUN)	0	*FIX	BUS SETUP

SETTING MODE (SECOND STAGE)						
EEPROM ITEMS	**FUNCTION**	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**FIX/ADJ/ AUTO**	**REMARK**
AFC2 (NO SYNC)	HORIZONTAL AFC2 GAIN	F51	0(NORMAL) / 1(DOWN)	0	FIX	
GAMMA	GAMMA CORRECTION QTY	F52	0~3	0	FIX	BUS SETUP
BS-D/C	BLACK STRETCH CONTROL LEVEL	F53	0~15	10	FIX	
BS-GAIN	BLACK STRETCH LEVEL	F54	0(NORMAL) / 1(DOWN)	0	FIX	
OM-DET	OVER MODULATION DETECT	F55	0(OFF) / 1(ON)	0	FIX	
SL-TV	SLICE LEVEL OF SYNC DETECTION TV	F56	0~7	2	FIX	
SL-AV	SLICE LEVEL OF SYNC DETECTION AV	F57	0~7	4	*FIX	BUS SETUP
SL-YUV	SLICE LEVEL OF SYNC DETECTION YUV	F58	0~7	4	FIX	
VD2/VD1/AS/FBP-TV	VD2 & VD1-VERT SYNC DETECT MIN WIDTH MSB & LSB RESPECTIVELY, AS-TV/AV/YUV SWITCH & CH CHANGE, FBP-FLYBACK PULSE SLICE LEVEL (TV)	F59	0~15	6	FIX	
VD2/VD1/AS/FBP-AV	VD2 & VD1-VERT SYNC DETECT MIN WIDTH MSB & LSB RESPECTIVELY, AS-TV/AV/YUV SWITCH & CH CHANGE, FBP-FLYBACK PULSE SLICE LEVEL (AV)	F60	0~15	14	FIX	
VD2/VD1/AS/FBP-YUV	VD2 & VD1-VERT SYNC DETECT MIN WIDTH MSB & LSB RESPECTIVELY, AS-TV/AV/YUV SWITCH & CH CHANGE, FBP-FLYBACK PULSE SLICE LEVEL (YUV)	F61	0~15	14	FIX	
VDL	COLOUR DIFF. INPUT PHASE ADJ	F62	0~3	0	FIX	
UDL	COLOUR DIFF. INPUT PHASE ADJ	F63	0~3	0	FIX	
AUTO-SCM-KIL-TV	SECAM COLOUR KILLER SENSITIVITY (TV)	F64	0~3	1	FIX	
SECAM-BGP	INTERNAL SECAM BGP TIMING	F65	0~3	0	FIX	
N45	INHIBIT 50Hz NTSC 4.43	F66	0(NORMAL) / 1(INHIBIT)	0	FIX	
TXT-POS-H (TELE-TEXT)	TELETEXT HORIZONTAL POSITION	F67	0~63	0	FIX	
TXT-POS-V (TELE-TEXT)	TELETEXT VERTICAL POSITION	F68	0~63	0	FIX	
OSD-POS	OSD POSITION	F69	0~127	9	FIX	
CP	CHARGE PUMP	F70	0(FAST TUNING) / 1(MODERATE SPEED TUNING)	1	FIX	
SMALL-SURR (S-CTRL)	SURROUND MODE SELECT	F71	0(EALA EFFECT LARGE) / 1(EALA EFFECT SMALL)	0	FIX	
SUB-BASS (S-CTRL)	SUB BASS CONTROL	F72	0(0dB), 1(-1dB), 2(-2dB), 3(-3dB), 4(0dB), 5(+1dB), 6(+2dB), 7(+3dB)	6	FIX	
SUB-TREB (S-CTRL)	SUB TREBLE CONTROL	F73	0(0dB), 1(-1dB), 2(-2dB), 3(-3dB), 4(0dB), 5(+1dB), 6(+2dB), 7(+3dB)	0	FIX	
AGC-ADJ (S-CTRL)	AGC LEVEL ADJUST	F74	0(AGC Off), 1(300mVrms), 2(400mVrms), 3(500Vrms), 4(600mVrms)	0	FIX	
AGC-SW-OFF (NICAM)	NICAM AGC SWITCH OFF	F75	0(DISABLE, FIX GAIN), 1(ENABLE)	0	FIX	
AGC-GAIN-ADJ (NICAM)	NICAM AGC GAIN ADJUST	F76	0~31	0	FIX	
FM-LEVEL-ADJ (NICAM)	FM LEVEL ADJUST	F77	-15~0~+15	0	FIX	
IGR-LEVEL-ADJ (NICAM)	IGR LEVEL ADJUST	F78	-15~0~+15	0	FIX	
NICAM-BG-LVL-ADJ (NICAM)	NICAM B/G LEVEL ADJUST	F79	-15~0~+15	0	FIX	
NICAM-I-LVL-ADJ (NICAM)	NICAM I LEVEL ADJUST	F80	-15~0~+15	0	FIX	
NICAM-DK-LVL-ADJ (NICAM)	NICAM D/K LEVEL ADJUST	F81	-15~0~+15	0	FIX	
NICAM-LOW-ERR-LIM (NICAM)	NICAM LOWER ERROR LIMIT	F82	0~255	0	FIX	
NICAM-UPP-ERR-LIM (NICAM)	NICAM UPPER ERROR LIMIT	F83	0~255	0	FIX	
IGR-GAIN-ADJ (IGR)	IGR GAIN ADJUST	F84	-6~0~+7	0	FIX	

SETTING MODE (SECOND STAGE)						
EEPROM ITEMS	**FUNCTION**	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**FIX/ADJ/ AUTO**	**REMARK**
FM-ID-SPEED (NICAM)	FM SOUND IDENTIFICATION MODE	F85	0(SLOW) / 1(MEDIUM) / 2(FAST) / 3(OFF)	0	FIX	
NICAM-AUTO-MUTE	NICAM AUTO DETECTION	F86	0(MUTE) / 1(DEMUTE)	0	FIX	
AUTO-SCM-KIL-AV-YUV	SECAM COLOUR KILLER SENSITIVITY (AV/YUV)	F87	0~3	1	FIX	
AFC1-GAIN-TV	MSB OF HORIZONTAL AFC GAIN1 (TV)	F88	0(NORMAL) / 1(x2) / 2(x1.5) / 3(3.5)	0	FIX	
AFC1-GAIN-AV	MSB OF HORIZONTAL AFC GAIN1 (AV)	F89	0(NORMAL) / 1(x2) / 2(x1.5) / 3(3.5)	3	FIX	
AFC1-GAIN-YUV	MSB OF HORIZONTAL AFC GAIN1 (YUV)	F90	0(NORMAL) / 1(x2) / 2(x1.5) / 3(3.5)	3	FIX	
CON-REDUCE	CONTRAST (PICTURE LEVEL) CONTROL	F91	0(0%)~1(25%)~2(50%)	0	FIX	
TAKE-OFF-TV	TAKEOFF/BPF OF CHROMA BPF PROCESSING TV	F92	0(BPF) / 1(TAKEOFF)	1	FIX	
TAKE-OFF-AV	TAKEOFF/BPF OF CHROMA BPF PROCESSING AV	F93	0(BPF) / 1(TAKEOFF)	0	FIX	
TAKE-OFF-YUV	TAKEOFF/BPF OF CHROMA BPF PROCESSING YUV	F94	0(BPF) / 1(TAKEOFF)	0	FIX	
C-ANGLE (103 DEG/ 95 DEG)	CHROMA MODULATION ANGLE	F95	0(103DEG) / 1(95DEG)	1	FIX	
AC-FAIL-WO-BRIGHT	PICTURE BLACK LEVEL (BRIGHT) CONTROL - AC FAILURE	F96	0~255	255	FIX	
FORCED-SCM-KIL-TV	FORCED SECAM COLOUR KILLER SENSITIVITY (TV)	F97	0~3	2	FIX	
FORCED-SCM-KIL-AV-YUV	FORCED SECAM COLOUR KILLER SENSITIVITY (AV/YUV)	F98	0~3	2	FIX	
R-Y ADJ.	COLOUR EDGE IMPROVEMENT	F99	0(DISABLE) / 1(ENABLE)	1	FIX	
V-DEMUTE-DELAY	VIDEO DEMUTE DELAY	F100	0~255	0	*FIX	BUS SETUP
S-DEMUTE-DELAY	SOUND DEMUTE DELAY	F101	0~255	0	*FIX	BUS SETUP
MER	S-BOOSTER FREQ. CHARACTERISTIC CONTROL	F102	0~255	0	FIX	
MEL1	S-BOOSTER LEVEL1	F103	0~255	0	FIX	
MEL2	S-BOOSTER LEVEL2	F104	0~255	0	FIX	
MEL3	S-BOOSTER LEVEL3	F105	0~255	0	FIX	
MEL4	S-BOOSTER LEVEL4	F106	0~255	0	FIX	
MEL5	S-BOOSTER LEVEL5	F107	0~255	0	FIX	
MEL6	S-BOOSTER LEVEL6	F108	0~255	0	FIX	
S-ST-POINT	S-BOOSTER START POINT	F109	0~60	0	FIX	
S-SP-POINT	S-BOOSTER STOP POINT	F110	0~60	0	FIX	
S-STEP	S-BOOSTER STEP	F111	0~60	0	FIX	
POW-STORAGE	CONTRAST/BRIGHTNESS INCREASE GRADUALLY	F112	0(DISABLE) / 1(ENABLE)	1	FIX	
S-B-BASS	S-BOOSTER BASS LIMITER (WHEN S-BOOSTER ON)	F113	-30~0~+30	0	FIX	
S-B-TREB	S-BOOSTER TREBLE LIMITER (WHEN S-BOOSTER ON)	F114	-30~0~+30	0	FIX	
S-BASS	S-BOOSTER BASS LIMITER (WHEN S-BOOSTER OFF)	F115	-30~0~+30	+30	FIX	
S-TREB	S-BOOSTER TREBLE LIMITER (WHEN S-BOOSTER OFF)	F116	-30~0~+30	+30	FIX	
V-STD-TV	VERTICAL STANDARD SIGNAL DETECTOR SWITCH (TV)	F117	0(DISABLE) / 1(ENABLE)	0	FIX	
V-STD-AV	VERTICAL STANDARD SIGNAL DETECTOR SWITCH (AV)	F118	0(DISABLE) / 1(ENABLE)	0	FIX	
V-STD-YUV	VERTICAL STANDARD SIGNAL DETECTOR SWITCH (YUV)	F119	0(DISABLE) / 1(ENABLE)	0	FIX	
WO-Bright-after-WO-TIME	WHITE OUT BRIGHT AFTER WHITE OUT TIME	F120	0~255	255	FIX	
WO-Contrast-after-WO-TIME	WHITE OUT CONTRAST AFTER WHITE OUT TIME	F121	0~127	127	FIX	
WO-Bright-before-WO-TIME	WHITE OUT BRIGHT BEFORE WHITE OUT TIME	F122	0~255	255	FIX	
WO-Contrast-before-WO-TIME	WHITE OUT CONTRAST BEFORE WHITE OUT TIME	F123	0~127	127	FIX	
WO-TIME	WHITE OUT	F124	0~31	0	FIX	

SETTING MODE (SECOND STAGE)						
EEPROM ITEMS	**FUNCTION**	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**FIX/ADJ/ AUTO**	**REMARK**
A2-ID-Response	SETTING IDENTIFICATION RESPONSE TIME	F125	0(NORMAL) / 1(FAST)	0	FIX	
R-DRI YUV OFFSET	RGB OUTPUT RED GAIN OFFSET (YUV)	F126	-63~0~+63	0	FIX	
B-DRI YUV OFFSET	RGB OUTPUT BLUE GAIN OFFSET (YUV)	F127	-63~0~+63	0	FIX	
R-CUT YUV OFFSET	RGB OUTPUT-RED BIAS LEVEL OFFSET (YUV)	F128	-63~0~+63	0	FIX	
G-CUT YUV OFFSET	RGB OUTPUT-GREEN BIAS LEVEL OFF-SET (YUV)	F129	-63~0~+63	0	FIX	
B-CUT YUV OFFSET	RGB OUTPUT-BLUE BIAS LEVEL OFFSET (YUV)	F130	-63~0~+63	0	FIX	
CON YUV OFFSET	SUB-CONTRAS OFFSET (YUV)	F131	-63~0~+63	0	FIX	
BRT YUV OFFSET	SUB-BRIGHT OFFSET (YUV)	F132	-63~0~+63	0	FIX	
SHP ANT-ONII OFF-SET	SHARP ANT-ON II OFFSET FOR VIDEO TONE	F133	-31~0~+31	0	FIX	
WAIT MD TIME	SETTING CYCLE PROCESS TIME AT LOW POWER	F134	0~4	2	FIX	
Contrast OFFSET	CONTRAST (PICTURE LEVEL) OFFSET	F135	-63~0~+63	0	FIX	
Bright OFFSET	PICTURE BLACK LEVEL (BRIGHT) OFF-SET	F136	-63~0~+63	0	FIX	
CR-PEDESTEL-ADJ	Cr SIGNAL LEVEL ADJUSTMENT	F137	0~15	8	FIX	
CB-PEDESTEL-ADJ	Cb SIGNAL LEVEL ADJUSTMENT	F138	0~15	8	FIX	
SIF-PAL	SOUND S/N SWITCH FOR PAL	F139	0(DISABLE) / 1(ENABLE)	0	FIX	
AV2 BRIGHTNESS OFFSET	AV2 BRIGHT OFFSET	F140	-15~0~+15	+7	FIX	
BASS OFFSET	BASS OFFSET	F141	-30~0~+30	15	FIX	BUS SETUP
TREBLE OFFSET	TREBLE OFFSET	F142	-30~0~+30	10	FIX	BUS SETUP
AS-SPEED-DN	AUTO SLICE SPEED SWITCH (DOWN)	F143	0(DISABLE) / 1(ENABLE)	0	FIX	
AS-SPEED-UP	AUTO SLICE SPEED SWITCH (UP)	F144	0(DISABLE) / 1(ENABLE)	0	FIX	
SIF-BPF-WIDE	SIF BPF BANDWIDTH SELECTOR	F145	0~3	0	FIX	
SIF-BPF-WIDE-574	SIF BPF BANDWIDTH SELECTOR	F146	0~3	0	FIX	
AGC-ADJ-R2S15903SP	AGC LEVEL OF R2S15903SP	F147	0~3(OFF) / 4(300mVrms / 5(400mVrms) / 6(500mC\Vrms)	0	FIX	
AGC-MODE	AGC MODE OF R2S15903SP	F148	0(DISABLE) / 1(ENABLE)	0	FIX	
OSD-POS-V50	50Hz VERTICAL OSD POSITION	F149	0~255	36	FIX	BUS SETUP
OSD-POS-V60	60Hz VERTICAL OSD POSITION	F150	0~255	31	FIX	BUS SETUP
FSC-FREE	FSC-FREE	F151	0/1	1	FIX	BUS SETUP
MCUVOUT	MCUVOUT	F152	0/1	0	FIX	
HALF-H KILLER	HALF-H KILLER	F153	0/1	1	FIX	BUS SETUP
V-AGC	V-AGC	F154	0/1	0	FIX	

OPTION MODE (FOURTH STAGE)				
EEPROM ITEMS	**OSD**	**DATA LENGTH**	**INITIAL DATA**	**REMARK**
***HOTEL MODE	O01	0 (0FF) / 1 (0N)	0	OPTION SET UP
***HTL-POS	O02	0~99,--	--	OPTION SET UP
***HTL-VOL	O03	0~60,--	--	OPTION SET UP
VIF	O04	0 (38.0) / 1 (38.9)	1	OPTION SET UP
SECAM	O05	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
N443(RF)	O06	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
N358(RF)	O07	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
FORCE-COL	O08	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
S-SYS	O09	1(BG ONLY)~15(ALL)	15	OPTION SET UP
AV	O10	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
AV2	O11	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
YUV	O12	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
S-CTRL	O13	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
NICAM	O14	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
A2	O15	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
TELETEXT	O16	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
BILLINGUAL	O17	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
LANGUAGE	O18	1~255	63	OPTION SET UP
SEARCH-SPEED	O19	1(350)~2(450)~3(550)~4(650)~5(750)	3	OPTION SET UP
R/C-MENU	O20	0 (ENABLE) / 1 (DISABLE)	0	OPTION SET UP
LED-CONT	O21	0 (ONE LED) / 1 (TWO LED)	0	OPTION SET UP
S-BOOSTER	O22	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
SHARP-LOGO	O23	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
YUV BKGD ADJ	O24	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
WHITE BACK	O25	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP
BOOSTER	O26	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
****MESSAGE	O27	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
****MESSAGE SCROLL TIME	O28	Message Display Timing	0	OPTION SET UP
LNA TUNER	O29	0(Alps) / 1(Matsushita)	0	OPTION SET UP
ONE CHIP IC	O30	0(M61260 & M61262) / 1(M61266)	0	OPTION SET UP
MESSAGE INPUT TIMMING	O31	0~4	2	OPTION SET UP
SOUND IC	O32	0 (NJW1142) / 1 (R2S15903SP)	0	OPTION SET UP
SOUND CONTROL	O33	0 (DISABLE) / 1 (ENABLE)	0	OPTION SET UP
H-SYNC-JUDGE	O34	0 (DISABLE) / 1 (ENABLE)	1	OPTION SET UP

*** HOTEL MODE

OPERATION OF HOTEL MODE:

WHEN CHANGE SERVICE DATA O01 TO 1, HOTEL MODE IS ON

WHEN HOTEL MODE IS ON,

1. Max volume data is determined by option setting HTL-VOL (O03)
2. Channel position after POWER ON is determined by option setting HOTEL-POS (O02) (if option setting HOTEL-POS is not set, processing is according to last position data).
3. User data updates of EEPROM regarding the video and audio control is not allowed.
4. Preset mode is disable.
5. CH SETTING menu is not available.

4. ADJ ITEM: BUS SET UP (1 ST & 2ND STAGE SERVICE DATA)

SERVICE ITEMS		21L-FG1SA/SF/SM	21L-FG1RU	REMARK
V08	SUB-SHARPNESS	46	46	
V17	V-SIZE 60Hz	4	4	
V28	VS-CORRECT	38	38	ADJUST IF NECESSARY TO IMPROVE
V29	VC-CORRECT OFFSET	-6	-6	
V30	V LINEARITY	10	10	ADJUST IF NECESSARY TO IMPROVE
F06	S-OUT-LEVEL	95	95	
F07	VIF-G	3	3	
F22	YDL-AV-N3	5	5	
F24	COL-AV	+6	+10	
F29	COL-ADJ	+12	-6	
F30	SHP-AV	+1	+1	
F36	TINT-AV	+1	0	
F37	TINT-ADJ	-5	0	
F39	R-R	0	+8	
F40	B-R	-9	-10	
F41	R-B	-6	-3	
F42	B-B (OFFSET)	+8	+16	
F50	V-FREE (NO SYNC)	1	1	
F52	GAMMA	1	1	
F57	SL-AV	2	2	
F100	V-DEMUTE-DELAY	25	25	
F101	S-DEMUTE-DELAY	40	40	
F141	BASS OFFSET	+15	+15	
F142	TREBLE OFFSET	+10	+10	
F149	OSD-POS-V50	46	46	
F150	OSD-POS-V60	35	35	
F151	FSC-FREE	1	1	
F153	HALF-H KILLER	1	1	
V17	V-SIZE 60HZ	4	4	
V29	VC-CORRECT OFFSET	-6	-6	
V31	V LINEARITY OFFSET	+6	+6	

5. ADJ ITEM: OPTION SET UP (4TH STAGE SERVICE DATA)

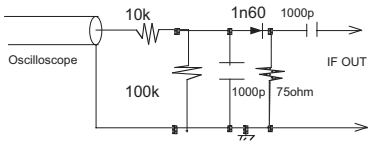
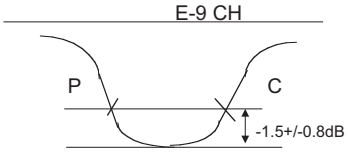
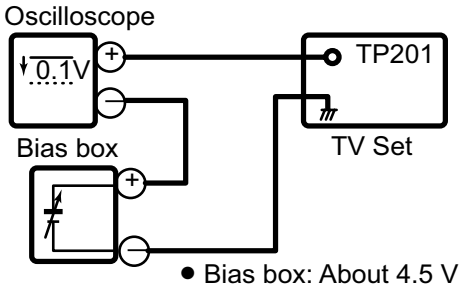
SERVICE ITEMS			21L-FG1SF	21L-FG1SA/SM	21L-FG1RU
O01	HTL MODE	0 (0FF) / 1 (0N)	0	0	0
O02	HTL-POS	0~99,--	--	--	--
O03	HTL-VOL	0~60,--	--	--	--
O04	VIF	0 (38.0) / 1 (38.9)	1	1	1
O05	SECAM	0 (DISABLE) / 1 (ENABLE)	1	1	1
O06	N443(RF)	0 (DISABLE) / 1 (ENABLE)	1	1	1
O07	N358(RF)	0 (DISABLE) / 1 (ENABLE)	0	0	0
O08	FORCE-COL	0 (DISABLE) / 1 (ENABLE)	0	0	0
O09	S-SYS	1(BG ONLY)~15(ALL)	7	7	7
O10	AV	0 (DISABLE) / 1 (ENABLE)	1	1	1
O11	AV2	0 (DISABLE) / 1 (ENABLE)	0	0	0
O12	YUV	0 (DISABLE) / 1 (ENABLE)	0	0	0
O13	S-CTRL	0 (DISABLE) / 1 (ENABLE)	1	1	1
O14	NICAM	0 (DISABLE) / 1 (ENABLE)	0	0	0
O15	A2	0 (DISABLE) / 1 (ENABLE)	0	0	0
O16	TEXT	0 (DISABLE) / 1 (ENABLE)	0	0	0
O17	BIL	0 (DISABLE) / 1 (ENABLE)	0	0	0
O18	LANG	1~255	63	55	9
O19	SEARCH-SP	1(350)~2(450)~3(550)~4(650)~5(750)	3	3	3
O20	R/C MENU	0 (ENABLE) / 1 (DISABLE)	0	0	0
O21	LED-CONT	0 (ONE LED) / 1 (TWO LED)	0	0	0

SERVICE ITEMS			21L-FG1SF	21L-FG1SA/SM	21L-FG1RU
O22	S-BOOSTER	0 (DISABLE) / 1 (ENABLE)	0	0	0
O23	SHARP-LOGO	0 (DISABLE) / 1 (ENABLE)	0	0	0
O24	YUV BKGD ADJ	0 (DISABLE) / 1 (ENABLE)	0	0	0
O25	WHITE BACK	0 (DISABLE) / 1 (ENABLE)	0	0	0
O26	BOOSTER	0 (DISABLE) / 1 (ENABLE)	0	0	0
O27	MESSAGE	0 (DISABLE) / 1 (ENABLE)	0	0	0
O28	MESSAGE SCROLL TIME	0 ~ 20	10	10	10
O29	LNA TUNER	0(Alps) / 1(Matsushita)	0	0	0
O30	ONE CHIP IC	0(M61260 & M61262) / 1(M61266)	0	0	0
O31	MSG IN TM		2	2	2
O32	SOUND IC	0(NJW1142) / 1(R2S15903SP)	1	1	1
O33	SOUND CTRL		1	1	1
O34	H-SYNC-JUDGE		1	1	1

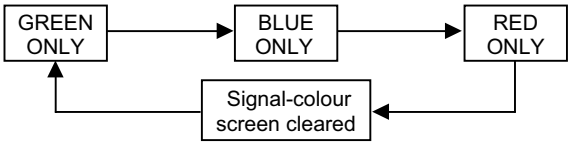
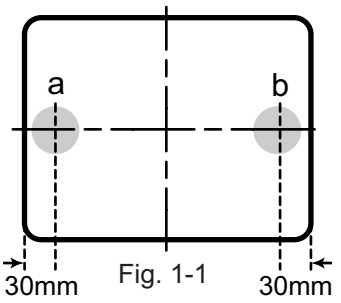
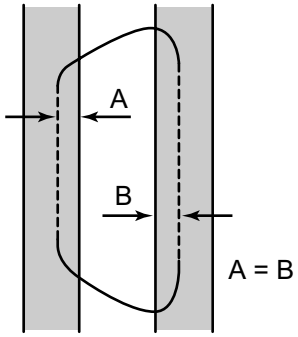
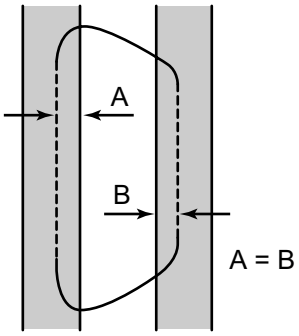
[2] ADJUSTMENT

ADJUSTMENT PRECAUTION: Makesure TV Set is in “Normal Condition” before switch to Service Mode for Adjustment.

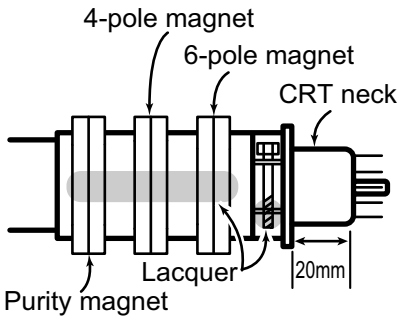
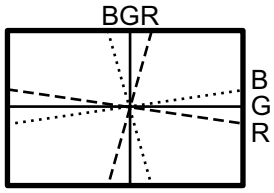
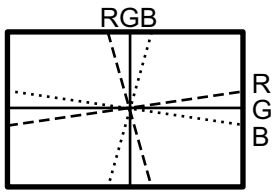
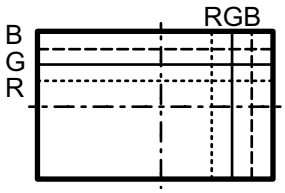
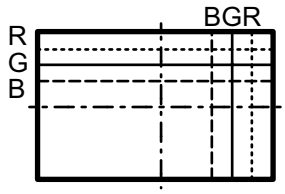
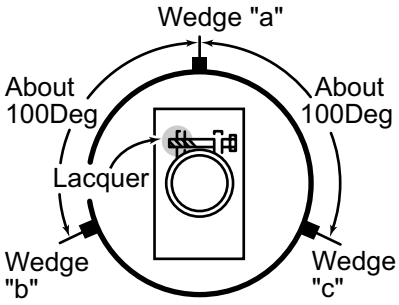
1. PIF ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**Tuner IFT (PRESET)**	1. Get the tuner ready to receive the CH. E - 9 signal,but with no signal input. Adjust the PLL data. 2. Connect the sweep generator's output cable to the tuner antenna. (RF SWEEP) 3. Adjust the sweep generator's to 80dBμV. 4. Connect the response lead (use LOW IMPEDANCE probe with wave detector ; see Fig.1) to the tuner's IF output terminal. (This terminal must have the probe alone connected). 5. Set the RF AGC to 0 - 6 V with no saturation with the waveform. 6. Adjust the tuner IF coil to obtain the waveform as shown in Fig. 2. **Note: Be sure to keep the tuner cover in position during this adjustment.**	 Fig.1  Fig.2
2	**RF-AGC TAKE OVER POINT ADJUSTMENT (I^2C BUS CONTROL)** **(AUTO & MANUAL ADJ)**	1. Receive "PAL COLOUR BAR" signal. ● Signal Strength: 56 ± 1 dBμV (75 ohm open) 2. Connect the oscilloscope to TP201 (Tuner’s AGC Terminal) as shown in Fig. 3-1.  ● Bias box: About 4.5 V Fig. 3-1 3. Call "**V01**" mode in service mode. Adjust the "**V01**" bus data to obtain the Tuner output pin drop **0.1~1.0V** below maximum voltage. 4. Change the antenna input signal to 63~67dBμV, and make sure there is no noise. 5. Turn up the input signal to 90~95 dBμV to be sure that there is no cross modulation beat.	*** for Auto ADJ** 1) Receive “PAL COLOUR BAR” signal. signal strength: 56 ± 1dBμV(75 ohm open) 1) Go to service mode. 2) Go to service data V01, press R/C to operate auto key (Hex C1) and confirm the ‘OK’ display on the screen. 3) If appear NG, increase data some step and pls repeat step 2. 4) Proceed step 4 & 5 in manual mode.

2. PURITY ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**PURITY ADJ.**	1. Receive the GREEN-ONLY signal. Adjust the beam current to ~700 μA . 2. Degauss the CRT enough with the degausing coil. Note: Follow the Job Instruction Sheet to adjust the magnetic field. (Reference: page 3-6) 3. Maintain the purity magnet at the zero magnetic field and keep the static convergence roughly adjusted. 4. Observe the points a, b,as shown in Fig. 1-1 through the microscope. Adjust the landings to A rank requirement. 5. Orient the raster rotation to 0 eastward. 6. Tighten up the deflection coil screws. • Tightening torque: 108 ± 20 N (11kgf ± 2 kgf) 7. Make sure the CRT corners landing meet the A rank requirements. If not, stick the magnet sheet to correct it. **Note: This adjustment must be done after warming up the unit for 30 minutes or longer with a beam current over 700 μA.** **Note: Set to service mode by remote controller then press factory process R/C RGB key to change to RGB mono colour mode.** * For the following colours press R/C RGB(Hex 7E) key to change. 	 Fig. 1-1  Fig. 1-2 Rank "A" (on the right of the CRT)  Fig. 1-3 Rank "A" (on the left of the CRT) * Press R/C RGB key for 1 second in NORMAL MODE, the colour will change to RGB mono colour mode.

3. CONVERGENCE ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**CONVERGENCE ADJ. (To be done after the purity adjustment.)**	1. Receive the "Crosshatch Pattern" signal. 2. Using the remote controller, call NORMAL mode. **Static convergence** 1. Turn the 4-pole magnet to a proper opening angle in order to superpose the blue and red colours. 2. Turn the 6-pole magnet to a proper opening angle in order to superpose the green colour over the blue and red colours. **Dynamic convergence** 1. Adjust the convergence on the fringes of the screen in the following steps. a) Fig. a: Drive the wedge at point "a" and swing the deflection coil upward. b) Fig. b: Drive the wedge at point "b" and "c" and swing the deflection coil downward. c) Fig. c: Drive the "c" wedge deeper and swing the deflection coil rightward. d) Fig. d: Drive the "b" wedge deeper and swing the deflection coil leftward. 2. Fix all the wedges on the CRT and apply glass tape over them. 3. Apply lacquer to the deflection yoke lock screw, magnet unit (purity, 4-pole, 6-pole magnets) and magnet unit lock screw. Finally received the Red-only and Blue-only signals to make sure there is no other colours on the screen.  	 Fig. a  Fig. b  Fig. c  Fig. d 

4. H-VCO, VIF-VCO & S-TRAP fo ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**H-VCO ADJ (I^2C BUS CONTROL) (AUTO & MANUAL ADJ)**	**(MANUAL ADJ)** 1) In No signal (RASTER) condition. 2) Go to service mode, choose service data **V03**. 3) Connect oscilloscope to **IC801 pin15**, adj **V03** until freq become **15.625 ± 0.15 KHz** **(Auto Adj)** 1) In No signal (RASTER) condition. 2) Go to service mode. 3) Choose service data **V03**, by pressing R/C **Auto (Hex C1)** key, OSD will appear "OK" at screen. 4) If appear "NG" pls repeat step 3.	
2	**VIF-VCO ADJ (I^2C BUS CONTROL) (AUTO & MANUAL ADJ)**	**(Manual ADJ)** 1) In No signal (RASTER) condition. 2) Go to service mode, choose service data **V02**. 3) Connect oscilloscope to **IC801 pin9**, adj **V02** until voltage become **2.5 ± 1 V**. **(Auto Adj)** 1) In No signal (RASTER) condition. 2) Go to service mode, choose service data **V02.** 3) Press the R/C **Auto (Hex C1)** key, OSD will appear "OK" at screen. 4) If appear "NG" pls repeat step 3.	This adjustment must be done after aging at least 3 minutes.
3	**S-TRAP fo ADJ (I^2C BUS CONTROL) (AUTO & MANUAL ADJ)**	**(Manual ADJ)** 1) In No signal (RASTER) condition. 2) Go to service mode, choose service data **V21**. 3) Connect oscilloscope to **TP 801,** adj **V21** until voltage become **Min** (below 5 V). 4) After that pls adj service data **V20 & V24 same as "V21", V22 to "V21-1", V23 to "V21+2"**. **(Auto Adj)** 1) In No signal (RASTER) condition. 2) Go to service mode, choose service data **V21**. 3) Press the R/C **Auto (Hex C1)** key, OSD will appear "OK" at screen. 4) If appear "NG" pls repeat step 3.	

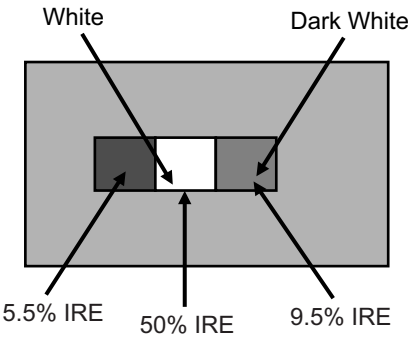
5. SCREEN, WHITE BALANCE, SUB-BRIGHTNESS & SUB-CONTRAST ADJUSTMENT

<table>
<tr><th>No.</th><th>Adjustment point</th><th>Adjustment procedure/conditions</th><th>Waveform and others</th></tr>
<tr><td>1</td><td>SCREEN ADJUSTMENT (I²C BUS CONTROL)</td><td>1) In window pattern signal condition.

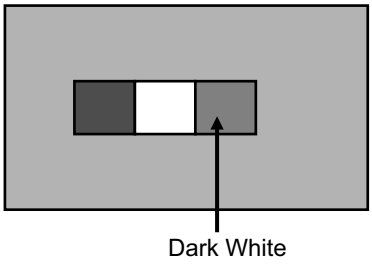
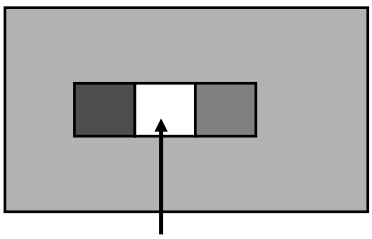
2) Go to service mode, then select V00.

3) By pressing R/C key S-Mute (Hex E8), R-D auto switch to 63, B-D auto switch to 63, R-C auto switch to 127, G-C auto switch to 127, B-C auto switch to 127, Sub-brightness V06 auto switch to 127.
Y-mute & Vertical off, screen will be in vertical cut-off condition.

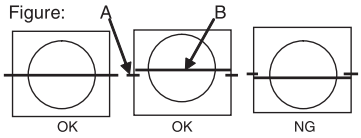
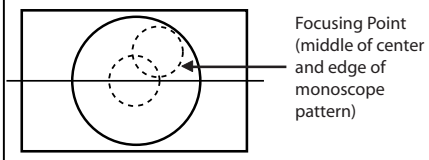
4) Adjust the Screen so that cut-off line appear in low bright, then judge that whether the cut-off line appear in Red or Green or Blue color, in this condition between R-C & G-C & B-C, fix the data of the color appear in cut-off line and adj the other two cut-off data (Note 1) so that cut-off line color become white.

5) Turn the screen VR of FBT so that cut-off line just disappear and use R/C by pressing key S-Mute (Hex E8) to disable the Y-mute & V-cut so that picture appear in normal mode.</td><td>R-CUTOFF (R-C) UP RC key "1" (HEX 80)
R-CUTOFF (R-C) DOWN RC key "4" (HEX 20)
G-CUTOFF (G-C) UP RC key "2" (HEX 40)
G-CUTOFF (G-C) DOWN RC key "5" (HEX A0)
B-CUTOFF (B-C) UP RC key "3" (HEX C0)
B-CUTOFF (B-C) DOWN RC key "6" (HEX 60)
R-DRIVE (R-D) UP RC key "7" (HEX E0)
R-DRIVE (R-D) DOWN RC key "Flashback" (HEX E4)
B-DRIVE (B-D) UP RC key "8" (HEX 10)
B-DRIVE (B-D) DOWN RC key "0" (HEX 50)</td></tr>
<tr><td>2</td><td>WHITE BALANCE ADJ (to be done after screen adj) (I²C BUS CONTROL)</td><td>1) WHITE (HIGH BEAM) (In Window Pattern Signal)
First use Minolta Color Analyzer CA100, let the gun point at Dark White position (as drawing attach), Adj V06 until LUMINANCE Y become 5 cd/m2, then let the gun point at White position (as drawing attach), Adj V04 until LUMINANCE Y become: 160 cd/m2.
Adj the R-D & B-D until the axis of color temperature become
7500°K X : 0.300
Y : 0.310 (21L-FG1RU)
12300°K X : 0.272
Y : 0.275 (21L-FG1SA/SM)
18000°K X : 0.255
Y : 0.255 (21L-FG1SF)
2) DARK WHITE (LOW BEAM) (In Window Pattern Signal)
Let the gun point at Dark White position, if the color temperature data shift away from the data adjusted in step 1, adjust R-C, G-C & B-C but between them, first color appears in Screen adj item 1)-4 is fixed, adj the other two so that to obtain the similar axis as above.
** Repeat step 1 & 2 to get a regulated position</td><td>WINDOW PATTERN SIGNAL
 

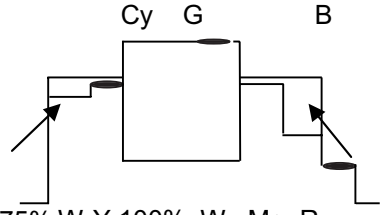
*Note : Signal using W/B Pattern Generator SX-1006 (IWATSU) or equivalent. Window Pattern Signal output level are as above:</td></tr>
</table>

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
3	**SUB-BRIGHTNESS (to be done after screen, white balance adj) (12C BUS CONTROL)**	1) In Window Pattern Signal condition. 2) Using Minolta Color Analyzer CA-100, let the gun point at **Dark White** position (as attach drawing), adjust **V06** Bus data until **LUMINANCE Y = 3 ± 0.5 cd/m2**.	WINDOW PATTERN SIGNAL  Dark White
4	**SUB-CONTRAST (to be done after screen, white balance adj, sub-bright-ness adj) (I²C BUS CONTROL)**	1) In Window Pattern Signal condition. 2) Using Minolta Color Analyzer CA-100, let the gun point at **White** position (as attach drawing), adjust **V04** Bus data until **LUMINANCE Y = 160 ± 10cd/m2**	WINDOW PATTERN SIGNAL  White
5	**Beam Current Check**	1) Receive the “Monoscope Pattern” signal. 2) Press R/C to set Picture NORMAL condition. 3) Connect the DC miliammeter between TP 603 (+) & TP 602 (-). (Full Scale: 3mA Range) 4) Beam current must be within **1000 ± 100 μA**.	

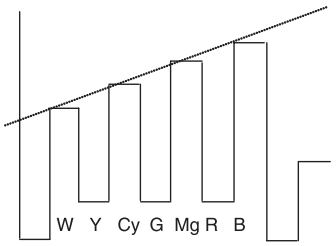
6. HORIZONTAL, VERTICAL, DEFLECTION LOOP and FOCUS ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**H-SHIFT (I^2C BUS CONTROL) (to be done after purity adj)**	1) Receive Monoscope Pattern Signal (PAL 50Hz). 2) Choose the service data **V13.** 3) Adjust the **V13** bus data to have a balance position to spec of **A=B** (as attach drawing). 4) If cannot make it to **A=B**, adjust from the best point so that B slightly smaller than **A**.	
2	**V-SHIFT (I^2C BUS CONTROL) (to be done after purity adj)**	1) Receive Monoscope Pattern Signal (PAL 50Hz). 2) Choose the service data **V12.** 3) Adjust the **V12** bus data to have a most acceptable vertical position, the monoscope pattern should be **Balance** in vertical position. **Note: B line (Monoscope middle line) must same or nearest higher position to the A mark (Tube middle mark), refer to the attach drawing.**	
3	**V-SIZE (I^2C BUS CONTROL) (to be done after purity, V-shift adj)**	1) Receive Monoscope Pattern Signal (PAL 50Hz). 2) Choose the service data **V11.** 3) Adjust **V11** bus data until the overscan become **10±1.5%.** **Caution: Pls aging TV more than 10 minutes before adjustment.**	
4	**SUB-SHARPNESS**	1) Confirm Service data **V08** is **46.**	
5	**FOCUS**	1) Receive the "Monoscope Pattern" signal. 2) Press R/C to set Picture NORMAL condition. 3) Adjust the focus control to get the best focusing.	

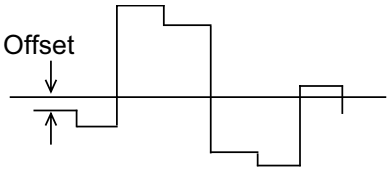
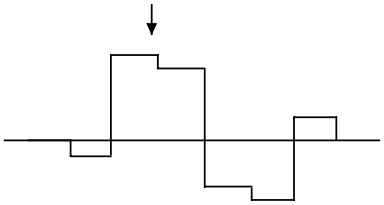
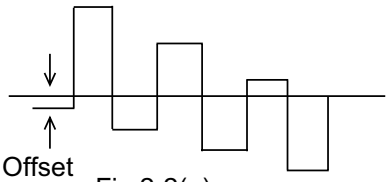
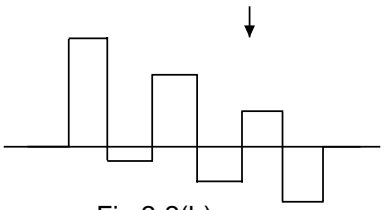
7. PAL CHROMA ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**SUB COLOUR (I^2C BUS CONTROL) (to be done after sub-picture, sub-tint adj)**	1) Receive the “PAL Colour Bar” signal. 2) Press R/C to set Picture Normal condition. 3) Connect the oscilloscope to R-Amp Transistor Base**(JUMPER 401)** Range : 100mV/Div (AC) (Using 10:1 Probe) Sweep Time : 10 msec/Div 4) Using the R/C call **V05** in SERVICE mode. Adjust **V05** bus data, so that the 75% White & Red portions of PAL Colour Bar be at the **same level** shown as Fig 1-1. 5) Clear the SERVICE mode.	 Fig. 1-1

8. NTSC CHROMA ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**SUB-TINT (I^2C BUS CONTROL)**	1) Receive the "NTSC 3.58 Color Bar" signal thru AV in. 2) Connect the oscilloscope to B-Amp Transistor Base **(JUMPER 410)**. • Range : 100mV/Div.(AC)(Use Probe 10:1) • Sweep time : 10 μsec/Div. 3) In Service mode, go to **V07**, press **R/C Y-mute (Hex F4)** or **FLASHBACK** Key. 4) Call the "V07" data in service mode. Adjust the **"V07"** bus data to obtain the waveform shown as Fig. 1-1. 5) Disable **Y-Mute** by pressing **key (Hex E4)** or **FLASHBACK**, then clear the SERVICE mode.	 Fig.1-1

9. SECAM CHROMA ADJUSTMENT

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**SECAM BLACK LEVEL R-Y/B-Y (I^2C BUS CONTROL)**	1) Receive “SECAM COLOUR BAR” signal. 2) In the service mode, select service data **V14**. 3) Connect oscilloscope to **TP 801**. ● Range : 20mV/Div. (AC)(Use Probe 10:1) ● Sweep time : 20 μsec/Div. 4) Adjust the **V14** so that the offset of R-Y is minimum, shown in **Fig 2-1(b)**, it means adjust the offset of between No signal line and Signal line to minimum. 5) In the service mode, select service data **V15**. 6) Connect oscilloscope to **TP 801**. ● Range : 20mV/Div. (AC)(Use Probe 10:1) ● Sweep time : 20 μsec/Div. 7) Adjust the **V15** so that the offset of B-Y to minimum, shown in **Fig 2-2(b)**, it means adjust the offset of between No signal line and Signal line to minimum.	 Fig 2-1(a)  Fig 2-1(b)  Fig 2-2(a)  Fig 2-2(b)

10. PROTECTOR OPERATION CHECKING

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**BEAM PROTECTOR**	1) Receive "Monoscope Pattern" signal. 2) Set CONTRAST MAX. 3) Set BRIGHT MAX. 4) During the Collector & Emitter of **Q853/4/5** short, make sure the protector ON and switch to standby mode.	* Select one of Q853/4/5 to do each short.
2	**H, V PROTECTOR**	1) Receive "Monoscope Pattern" signal. 2) Connect output of Bias Box to **D602** cathode (C602 positive). 3) Set voltage of Bias Box to **18V** and make sure the protector is not working. 4) Set voltage of Bias Box to **27V** , and make sure the protector is working.	
3	**OTHER PROTECTOR**	1) Once finish rectified Electrolytic Capacitor short testing in +B line, check all possible damaged components on +B line. (Use random selected set for inspection)	

11. A/V INPUT, OUTPUT CHECKING

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**VIDEO AND AUDIO OUTPUT CHECK**	1) Receive the "PAL Color Bar" signal (100% White Color Bar, Sound 400 Hz 100% Mod). 2) Terminate the Video output with a 75 ohm impedance. Make sure the output is as specified **(1.0 Vp-p ± 3 dB)**. 3) Terminate the Audio output with a 10K ohm impedance. Make sure the O/P is as specified **(1.5 Vp-p ± 3 dB)**.	
2	**VIDEO AND AUDIO INPUT CHECK**	1) Using the TV/VIDEO key on the remote controller, make sure that the modes change in order of TV, AV & TV again and the video & audio output are according to the input terminal for each mode.	

12. FUNCTION OPERATION CHECKING (VIDEO AND AUDIO)

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**CONTRAST key**	1) Receive "Monoscope Pattern" signal. 2) Set MENU, then go into PICTURE mode to select CONTRAST. 3) Press Volume Up/Down key to check whether the CONTRAST effect is OK or not.	
2	**COLOUR key**	1) Receive "Colour Bar" signal. 2) Set MENU, then go into PICTURE mode to select COLOUR. 3) Press Volume Up/Down key to check whether the COLOUR effect is OK or not.	
3	**BRIGHTNESS key**	1) Receive "Monoscope Pattern" signal. 2) Set MENU, then go into PICTURE mode to select BRIGHTNESS. 3) Press Volume Up/Down key to check whether the BRIGHTNESS effect is OK or not.	
4	**TINT key**	1) Receive the "NTSC Colour Bar" signal thru AV in. 2) Set MENU, then go into PICTURE mode to select TINT. 3) Press Volume Up/Down key to check TINT, UP for GREEN direction and DOWN for PURPLE direction whether is OK or not.	
5	**SHARPNESS Key**	1) Receive "Monoscope Pattern" signal. 2) Set MENU, then go into PICTURE mode to select SHARPNESS. 3) Press Volume Up/Down key to check whether the SHARPNESS effect is OK or not.	
6	**CH DISPLAY COLOUR**	1) All Ch (1~99) will have an OSD display of the channel number in green colour under AFT ON condition.	
7	**NORMAL Key**	1) Once in PICTURE or SOUND Mode, and the NORMAL key is pressed, all the settings will be preset to normal setting accordingly. (Normal setting value for every mode) **PICTURE MODE** CONTRAST : MAX COLOUR : CENTER BRIGHTNESS : CENTER TINT : CENTER SHARPNESS : CENTER WHITE TEMP : CENTER ***SOUND MODE** SURROUND : OFF TREBLE : CENTER BASS : CENTER BALANCE : CENTER	In NORMAL Mode, when press NORMAL key, will appear NORMAL OSD and all setting PICTURE, SOUND functions set to NORMAL.
8	**WHITE TEMP**	1) Receive "Monoscope Pattern" signal. 2) Set MENU, then go into PICTURE mode to select WHITE TEMP. 3) Press Volume Up/Down key to check WHITE TEMP function The back ground will change to (shift right) bluish and (shift left) reddish.	

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
9	**COLOUR SYSTEM**	1) Receive the "PAL COLOUR BAR" signal, press MENU, choose CH-SETTING to select COLOR modes except PAL, check the COLOUR is not working properly. Then, select the "PAL" mode. Check again its colour so that it is working properly. 2) Receive "SECAM COLOUR BAR" signal, press MENU, choose CH-SETTING to select COLOR modes except SECAM, check the COLOUR is not working properly. Then, select the "SECAM" mode. Check again its colour so that it is working properly. 3) Receive "NTSC 4.43" signal, press MENU, choose CH-SETTING to select COLOR modes except N443, check the COLOUR is not working properly. Then, select the N443 mode. Check again its colour so that it is working properly. 4) Receive "NTSC 3.58" signal thru AV, press MENU, choose CH-SETTING to select COLOR modes except N358, check the COLOUR is not working properly. Then, select the N358 mode. Check again its colour so that it is working properly.	
10	**SURROUND**	1) Receive "music" sound signal. 2) Set MENU, then go into SOUND MENU to select SURROUND. 3) Press VOLUME UP/DOWN key to check SURROUND I, II and OFF effect.	Note: 1. AV STEREO MODELS ONLY 2. IF SURROUND I/II ON, BALANCE FUNCTION CANNOT BE ADJUST.
11	**TREBLE**	1) Receive "music" sound signal. 2) Set MENU, then go into SOUND MENU to select TREBLE. 3) Press VOLUME UP/DOWN key to check whether the TREBLE effect is OK or not.	Note: 1. AV STEREO MODELS ONLY
12	**BASS**	1) Receive "music" sound signal. 2) Set MENU, then go into SOUND MENU to select BASS. 3) Press VOLUME UP/DOWN key to check whether the BASS effect is OK or not.	Note: 1. AV STEREO MODELS ONLY
13	**BALANCE**	1) Receive mono-tone signal. 2) Set MENU, then go into SOUND MENU to select BALANCE. 3) Press VOLUME UP/DOWN key to check whether the left to right BALANCE effect is OK or not.	Note: 1. AV STEREO MODELS ONLY 2. IF BALANCE ARE ADJUSTED, AND NOT AT '0', SURROUND CANNOT BE ON.
14	**NOISE MUTE CHECKING**	1) Receive "PAL COLOUR BAR" signal. 2) Turn up the volume control to maximum, make sure the sound is heard from the speakers. Then put the unit in no signal state. 3) Check the sound mute is effective. 4) Finally turn sound level of CTV to minimum.	

<table>
<tr><th>No.</th><th>Adjustment point</th><th>Adjustment procedure/conditions</th><th>Waveform and others</th></tr>
<tr><td>15</td><td>SOUND SYSTEM</td><td>1) Receive "PAL-D/K" signal, press MENU, choose CH-SETTING then go into SOUND mode to select B/G, I, M. Check the sound output is not working properly. Select D/K and check the sound output to make sure it is working properly.

2) Receive "PAL-I" signal, press MENU, choose CH-SETTING then go into SOUND mode to select B/G, D/K, M. Check the sound output is not working properly. Select I and check the sound output to make sure it is working properly.

3) Receive "PAL-B/G" signal, press MENU, choose CH-SETTING then go into SOUND mode to select I, D/K, M. Check the sound output is not working properly. Select B/G and check the sound output to make sure it is working properly.</td><td></td></tr>
<tr><td>16</td><td>OSD LANGUAGE QUANTITY CHECK</td><td>1) Check OSD LANGUAGE quantity and type for respect model.
<table>
<tr><th>MODEL</th><th>QUANTITY</th><th>ENGLISH</th><th>RUSSIAN</th><th>CHINESE</th><th>FRENCH</th><th>ARABIC</th><th>MALAY</th></tr>
<tr><td>21L-FG1SF</td><td>6</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td><td>O</td></tr>
<tr><td>21L-FG1SA/SM</td><td>5</td><td>O</td><td>-</td><td>O</td><td>O</td><td>O</td><td>O</td></tr>
<tr><td>21L-FG1RU</td><td>2</td><td>O</td><td>O</td><td>-</td><td>-</td><td>-</td><td>-</td></tr>
</table></td><td></td></tr>
</table>

13. SHOCK TEST CHECKING

No.	Adjustment point	Adjustment procedure/conditions	Waveform and others
1	**SHOCK TEST**	1) Hit at the top of TV set for two time. 2) Check TV set not damage and TV operation operate correctly.	

14. ROOM CORRECTION CHECKING

<table>
<tr><th>No.</th><th>Adjustment point</th><th>Adjustment procedure/conditions</th><th>Waveform and others</th></tr>
<tr><td>1</td><td>ROM CORRECTION CHECK</td><td>1) Go to SERVICE mode, press "MENU" key until the SERVICE mode display as in Figure 1 appeared.*
2) Check the ROM CORRECTION status by monitoring the screen, follow the model's setting.
<table>
<tr><th>MODEL</th><th>Micon Version</th><th>CHK1</th><th>CHK2</th><th>FIGURE</th></tr>
<tr><td>ALL MODELS</td><td>RH-IXB725WJN1(Software Ver. 1.25)</td><td>ACT</td><td>NO</td><td></td></tr>
</table>
CHK1: 1a. During channel changing, set Halfh-Killer (21h:D6) to "L" during AV mute.
1b. Fix Killer-Level (15h:D0) to "1".</td><td>* OTHERS:
INFO
SLV1 0 0
SLV2 0 0
SLV3 0 0
SLV8 0 0
MICON : N1 CHK1 : ACT
SOFT : 1.25 CHK2 : NO
Figure 1</td></tr>
</table>

15. ROOM CORRECTION DATA

MCU:	R2J10162GC-A09FP
Soft Ver.	V1.25
Date	17/04/2006

ROMCORRECT1 ...	1a. During Channel changing, set Halfh-Killer (21h:D6) to “L” during av mute. 1b. Fix Killer-Level (15h:D0) to “1”.
ROMCORRECT2 ...	

EEPROM Data

Slave	Sub.	Data								Comment
$A2	$76	A1								ROMCORRECT1 Permission
$A2	$77	B4								ROMCORRECT1 Address(H)
$A2	$78	74								ROMCORRECT1 Address(L)
$A2	$79	16								ROMCORRECT1 Code length
$A2	$7A	08								ROMCORRECT1 Checksum
$A2	$7B	FF								ROMCORRECT2 Permission
$A2	$7C	FF								ROMCORRECT2 Address(H)
$A2	$7D	FF								ROMCORRECT2 Address(L)
$A2	$7E	00								ROMCORRECT2 Code length
$A2	$7F	03								ROMCORRECT2 Checksum
$A2	$80-87	C0	BA	D0	0F	E0	21	D0	06	ROMCORRECT1 Data
$A2	$88-$8F	37	0A	01	DB	80	05	E0	15	ROMCORRECT1 Data
$A2	$90-$97	D0	01	0B	4C	76	B4	FF	FF	ROMCORRECT1 Data
$A2	$98-$9F	FF	FF	FF	FF	FF	FF	FF	FF	ROMCORRECT1 Data
$A2	$A0-$A7	FF	FF	FF	FF	FF	FF	FF	FF	ROMCORRECT2 Data
$A2	$A8-$AF	FF	FF	FF	FF	FF	FF	FF	FF	ROMCORRECT2 Data
$A2	$B0-$B7	FF	FF	FF	FF	FF	FF	FF	FF	ROMCORRECT2 Data
$A2	$B8-$BF	FF	FF	FF	FF	FF	FF	FF	FF	ROMCORRECT2 Data

CHAPTER 4. MEMORY MAP

[1] MEMORY MAP

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 1	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
00	EEPROM INITIALIZATION JUDGEMENT BYTE-0								7B	00-FF							* depend on lxcode, current this model ix IXB725 so set as 7B 77 72 75.
01	EEPROM INITIALIZATION JUDGEMENT BYTE-1								77	00-FF							
02	EEPROM INITIALIZATION JUDGEMENT BYTE-2								72	00-FF							
03	EEPROM INITIALIZATION JUDGEMENT BYTE-3								75	00-FF							
04	ROM VERSION								01	00-FF							
05	SOFTWARE VERSION (HIGH BYTE)								01	00-FF							*depend on final release version. If version 0.70 so it will become 00 & 46
06	SOFTWARE VERSION (LOW BYTE)								19	00-FF							
07																	
08	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 0
09	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 1
0B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 2
0D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
0E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 3
0F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
10	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 4
11	TUNING FREQUENCY (HIGH BYTE)									00-FF							
12	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 5
13	TUNING FREQUENCY (HIGH BYTE)									00-FF							
14	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 6
15	TUNING FREQUENCY (HIGH BYTE)									00-FF							
16	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 7
17	TUNING FREQUENCY (HIGH BYTE)									00-FF							
18	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 8
19	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 9
1B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 10
1D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
1E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 11
1F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
20	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 12
21	TUNING FREQUENCY (HIGH BYTE)									00-FF							
22	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 13
23	TUNING FREQUENCY (HIGH BYTE)									00-FF							
24	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 14
25	TUNING FREQUENCY (HIGH BYTE)									00-FF							
26	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 15
27	TUNING FREQUENCY (HIGH BYTE)									00-FF							
28	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 16
29	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 17
2B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 18
2D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
2E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 19
2F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
30	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 20
31	TUNING FREQUENCY (HIGH BYTE)									00-FF							
32	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 21
33	TUNING FREQUENCY (HIGH BYTE)									00-FF							
34	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 22
35	TUNING FREQUENCY (HIGH BYTE)									00-FF							
36	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 23
37	TUNING FREQUENCY (HIGH BYTE)									00-FF							
38	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 24
39	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 25
3B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 26
3D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
3E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 27
3F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
	MANAGER		MANAGER		MANAGER	
EEPROM CHECK DATA LIST 2	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
40	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 28
41	TUNING FREQUENCY (HIGH BYTE)									00-FF							
42	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 29
43	TUNING FREQUENCY (HIGH BYTE)									00-FF							
44	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 30
45	TUNING FREQUENCY (HIGH BYTE)									00-FF							
46	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 31
47	TUNING FREQUENCY (HIGH BYTE)									00-FF							
48	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 32
49	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 33
4B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 34
4D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
4E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 35
4F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
50	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 36
51	TUNING FREQUENCY (HIGH BYTE)									00-FF							
52	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 37
53	TUNING FREQUENCY (HIGH BYTE)									00-FF							
54	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 38
55	TUNING FREQUENCY (HIGH BYTE)									00-FF							
56	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 39
57	TUNING FREQUENCY (HIGH BYTE)									00-FF							
58	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 40
59	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 41
5B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 42
5D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
5E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 43
5F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
60	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 44
61	TUNING FREQUENCY (HIGH BYTE)									00-FF							
62	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 45
63	TUNING FREQUENCY (HIGH BYTE)									00-FF							
64	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 46
65	TUNING FREQUENCY (HIGH BYTE)									00-FF							
66	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 47
67	TUNING FREQUENCY (HIGH BYTE)									00-FF							
68	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 48
69	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 49
6B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 50
6D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
6E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 51
6F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
70	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 52
71	TUNING FREQUENCY (HIGH BYTE)									00-FF							
72	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 53
73	TUNING FREQUENCY (HIGH BYTE)									00-FF							
74	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 54
75	TUNING FREQUENCY (HIGH BYTE)									00-FF							
76	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 55
77	TUNING FREQUENCY (HIGH BYTE)									00-FF							
78	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 56
79	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 57
7B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 58
7D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
7E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 59
7F	TUNING FREQUENCY (HIGH BYTE)									00-FF							

MODEL							MODEL						
LETTER NO.							LETTER NO.						

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 3	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
80	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 60
81	TUNING FREQUENCY (HIGH BYTE)									00-FF							
82	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 61
83	TUNING FREQUENCY (HIGH BYTE)									00-FF							
84	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 62
85	TUNING FREQUENCY (HIGH BYTE)									00-FF							
86	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 63
87	TUNING FREQUENCY (HIGH BYTE)									00-FF							
88	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 64
89	TUNING FREQUENCY (HIGH BYTE)									00-FF							
8A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 65
8B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
8C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 66
8D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
8E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 67
8F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
90	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 68
91	TUNING FREQUENCY (HIGH BYTE)									00-FF							
92	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 69
93	TUNING FREQUENCY (HIGH BYTE)									00-FF							
94	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 70
95	TUNING FREQUENCY (HIGH BYTE)									00-FF							
96	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 71
97	TUNING FREQUENCY (HIGH BYTE)									00-FF							
98	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 72
99	TUNING FREQUENCY (HIGH BYTE)									00-FF							
9A	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 73
9B	TUNING FREQUENCY (HIGH BYTE)									00-FF							
9C	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 74
9D	TUNING FREQUENCY (HIGH BYTE)									00-FF							
9E	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 75
9F	TUNING FREQUENCY (HIGH BYTE)									00-FF							
A0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 76
A1	TUNING FREQUENCY (HIGH BYTE)									00-FF							
A2	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 77
A3	TUNING FREQUENCY (HIGH BYTE)									00-FF							
A4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 78
A5	TUNING FREQUENCY (HIGH BYTE)									00-FF							
A6	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 79
A7	TUNING FREQUENCY (HIGH BYTE)									00-FF							
A8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 80
A9	TUNING FREQUENCY (HIGH BYTE)									00-FF							
AA	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 81
AB	TUNING FREQUENCY (HIGH BYTE)									00-FF							
AC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 82
AD	TUNING FREQUENCY (HIGH BYTE)									00-FF							
AE	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 83
AF	TUNING FREQUENCY (HIGH BYTE)									00-FF							
B0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 84
B1	TUNING FREQUENCY (HIGH BYTE)									00-FF							
B2	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 85
B3	TUNING FREQUENCY (HIGH BYTE)									00-FF							
B4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 86
B5	TUNING FREQUENCY (HIGH BYTE)									00-FF							
B6	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 87
B7	TUNING FREQUENCY (HIGH BYTE)									00-FF							
B8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 88
B9	TUNING FREQUENCY (HIGH BYTE)									00-FF							
BA	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 89
BB	TUNING FREQUENCY (HIGH BYTE)									00-FF							
BC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 90
BD	TUNING FREQUENCY (HIGH BYTE)									00-FF							
BE	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 91
BF	TUNING FREQUENCY (HIGH BYTE)									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 4	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
C0	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 92
C1	TUNING FREQUENCY (HIGH BYTE)									00-FF							
C2	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 93
C3	TUNING FREQUENCY (HIGH BYTE)									00-FF							
C4	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 94
C5	TUNING FREQUENCY (HIGH BYTE)									00-FF							
C6	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 95
C7	TUNING FREQUENCY (HIGH BYTE)									00-FF							
C8	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 96
C9	TUNING FREQUENCY (HIGH BYTE)									00-FF							
CA	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 97
CB	TUNING FREQUENCY (HIGH BYTE)									00-FF							
CC	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 98
CD	TUNING FREQUENCY (HIGH BYTE)									00-FF							
CE	TUNING FREQUENCY (LOW BYTE)									00-FF							POS 99
CF	TUNING FREQUENCY (HIGH BYTE)									00-FF							
D0		FAVORITE CHANNEL 1							0A	00-65							POS 10
D1		FAVORITE CHANNEL 2							14	00-65							POS 20
D2		FAVORITE CHANNEL 3							1E	00-65							POS 30
D3		FAVORITE CHANNEL 4							28	00-65							POS 40
D4			LAST CONTRAST						3C	00-3C							
D5			LAST COLOUR						1E	00-3C							
D6			LAST BRIGHTNESS						1E	00-3C							
D7			LAST TINT						1E	00-3C							
D8			LAST SHARPNESS						1E	00-3C							
D9							LAST WHITE TEMP.		01	00-02							
DA							LAST SURROUND MODE		00	00-02							
DB			LAST TREBLE						1E	00-3C							
DC			LAST BASS						1E	00-3C							
DD			LAST BALANCE						1E	00-3C							
DE						Message Screen	Message Display	S-Booster (Not Use)	00	00-07							
DF																	
E0	POS 7	POS 6	POS 5	POS4	POS 3	POS 2	POS 1	POS 0	FF	00-FF							
E1	POS15	POS14	POS13	POS12	POS11	POS10	POS 9	POS 8	FF	00-FF							
E2	POS23	POS22	POS21	POS20	POS19	POS18	POS17	POS16	FF	00-FF							
E3	POS31	POS30	POS29	POS28	POS27	POS26	POS25	POS24	FF	00-FF							
E4	POS39	POS38	POS37	POS36	POS35	POS34	POS33	POS32	FF	00-FF							
E5	POS47	POS46	POS45	POS44	POS43	POS42	POS41	POS40	FF	00-FF							
E6	POS55	POS54	POS53	POS52	POS51	POS50	POS49	POS48	FF	00-FF							1= AFT ON, 0=AFT OFF
E7	POS63	POS62	POS61	POS60	POS59	POS58	POS57	POS56	FF	00-FF							
E8	POS71	POS70	POS69	POS68	POS67	POS66	POS65	POS64	FF	00-FF							
E9	POS79	POS78	POS77	POS76	POS75	POS74	POS73	POS72	FF	00-FF							
EA	POS87	POS86	POS85	POS84	POS83	POS82	POS81	POS80	FF	00-FF							
EB	POS95	POS94	POS93	POS92	POS91	POS90	POS89	POS88	FF	00-FF							
EC					POS99	POS98	POS97	POS96	FF	00-0F							
ED																	
EE	Blue Back	1/2 digit	TEXT (Not Use)			LANGUAGE			40	00-FF							
EF			LAST VOLUME						00	00-3C							
F0	POS 7	POS 6	POS 5	POS4	POS 3	POS 2	POS 1	POS 0	01	00-FF							
F1	POS15	POS14	POS13	POS12	POS11	POS10	POS 9	POS 8	00	00-FF							
F2	POS23	POS22	POS21	POS20	POS19	POS18	POS17	POS16	00	00-FF							
F3	POS31	POS30	POS29	POS28	POS27	POS26	POS25	POS24	00	00-FF							
F4	POS39	POS38	POS37	POS36	POS35	POS34	POS33	POS32	00	00-FF							
F5	POS47	POS46	POS45	POS44	POS43	POS42	POS41	POS40	00	00-FF							
F6	POS55	POS54	POS53	POS52	POS51	POS50	POS49	POS48	00	00-FF							1= SKIP ON, 0=SKIP OFF
F7	POS63	POS62	POS61	POS60	POS59	POS58	POS57	POS56	00	00-FF							
F8	POS71	POS70	POS69	POS68	POS67	POS66	POS65	POS64	00	00-FF							
F9	POS79	POS78	POS77	POS76	POS75	POS74	POS73	POS72	00	00-FF							
FA	POS87	POS86	POS85	POS84	POS83	POS82	POS81	POS80	00	00-FF							
FB	POS95	POS94	POS93	POS92	POS91	POS90	POS89	POS88	00	00-FF							
FC					POS99	POS98	POS97	POS96	00	00-0F							
FD	POWER								AA	AA(On), 55(Off)							
FE	ON TIMER VOLUME								FF	00-3C, FF							
FF	ON TIMER CHANNEL								FF	00-65, FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 5	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
100	ANT-BOOSTER (POS0)		S-SYSTEM (POS0)			C-SYSTEM (POS0)			00	00-9C							
101	ANT-BOOSTER (POS1)		S-SYSTEM (POS1)			C-SYSTEM (POS1)			00	00-9C							S-SYSTEM
102	ANT-BOOSTER (POS2)		S-SYSTEM (POS2)			C-SYSTEM (POS2)			00	00-9C							0: B/G
103	ANT-BOOSTER (POS3)		S-SYSTEM (POS3)			C-SYSTEM (POS3)			00	00-9C							1: I
104	ANT-BOOSTER (POS4)		S-SYSTEM (POS4)			C-SYSTEM (POS4)			00	00-9C							2: D/K
105	ANT-BOOSTER (POS5)		S-SYSTEM (POS5)			C-SYSTEM (POS5)			00	00-9C							3: M
106	ANT-BOOSTER (POS6)		S-SYSTEM (POS6)			C-SYSTEM (POS6)			00	00-9C							
107	ANT-BOOSTER (POS7)		S-SYSTEM (POS7)			C-SYSTEM POS7)			00	00-9C							C-SYSTEM
108	ANT-BOOSTER (POS8)		S-SYSTEM (POS8)			C-SYSTEM (POS8)			00	00-9C							0: AUTO
109	ANT-BOOSTER (POS9)		S-SYSTEM (POS9)			C-SYSTEM (POS9)			00	00-9C							1: PAL
10A	ANT-BOOSTER (POS10)		S-SYSTEM (POS10)			C-SYSTEM (POS10)			00	00-9C							2:SECAM
10B	ANT-BOOSTER (POS11)		S-SYSTEM (POS11)			C-SYSTEM (POS11)			00	00-9C							3: N443
10C	ANT-BOOSTER (POS12)		S-SYSTEM (POS12)			C-SYSTEM (POS12)			00	00-9C							4:N358
10D	ANT-BOOSTER (POS13)		S-SYSTEM (POS13)			C-SYSTEM (POS13)			00	00-9C							
10E	ANT-BOOSTER (POS14)		S-SYSTEM (POS14)			C-SYSTEM (POS14)			00	00-9C							ANT-BOOSTER
10F	ANT-BOOSTER (POS15)		S-SYSTEM (POS15)			C-SYSTEM (POS15)			00	00-9C							0: OFF
110	ANT-BOOSTER (POS16)		S-SYSTEM (POS16)			C-SYSTEM (POS16)			00	00-9C							1: ON I
111	ANT-BOOSTER (POS17)		S-SYSTEM (POS17)			C-SYSTEM (POS17)			00	00-9C							2: ON II
112	ANT-BOOSTER (POS18)		S-SYSTEM (POS18)			C-SYSTEM (POS18)			00	00-9C							
113	ANT-BOOSTER (POS19)		S-SYSTEM (POS19)			C-SYSTEM (POS19)			00	00-9C							
114	ANT-BOOSTER (POS20)		S-SYSTEM (POS20)			C-SYSTEM (POS20)			00	00-9C							
115	ANT-BOOSTER (POS21)		S-SYSTEM (POS21)			C-SYSTEM (POS21)			00	00-9C							
116	ANT-BOOSTER (POS22)		S-SYSTEM (POS22)			C-SYSTEM (POS22)			00	00-9C							
117	ANT-BOOSTER (POS23)		S-SYSTEM (POS23)			C-SYSTEM (POS23)			00	00-9C							
118	ANT-BOOSTER (POS24)		S-SYSTEM (POS24)			C-SYSTEM (POS24)			00	00-9C							
119	ANT-BOOSTER (POS25)		S-SYSTEM (POS25)			C-SYSTEM (POS25)			00	00-9C							
11A	ANT-BOOSTER (POS26)		S-SYSTEM (POS26)			C-SYSTEM (POS26)			00	00-9C							
11B	ANT-BOOSTER (POS27)		S-SYSTEM (POS27)			C-SYSTEM (POS27)			00	00-9C							
11C	ANT-BOOSTER (POS28)		S-SYSTEM (POS28)			C-SYSTEM (POS28)			00	00-9C							
11D	ANT-BOOSTER (POS29)		S-SYSTEM (POS29)			C-SYSTEM (POS29)			00	00-9C							
11E	ANT-BOOSTER (POS30)		S-SYSTEM (POS30)			C-SYSTEM (POS30)			00	00-9C							
11F	ANT-BOOSTER (POS31)		S-SYSTEM (POS31)			C-SYSTEM (POS31)			00	00-9C							
120	ANT-BOOSTER (POS32)		S-SYSTEM (POS32)			C-SYSTEM (POS32)			00	00-9C							
121	ANT-BOOSTER (POS33)		S-SYSTEM (POS33)			C-SYSTEM (POS33)			00	00-9C							
122	ANT-BOOSTER (POS34)		S-SYSTEM (POS34)			C-SYSTEM (POS34)			00	00-9C							
123	ANT-BOOSTER (POS35)		S-SYSTEM (POS35)			C-SYSTEM (POS35)			00	00-9C							
124	ANT-BOOSTER (POS36)		S-SYSTEM (POS36)			C-SYSTEM (POS36)			00	00-9C							
125	ANT-BOOSTER (POS37)		S-SYSTEM (POS37)			C-SYSTEM (POS37)			00	00-9C							
126	ANT-BOOSTER (POS38)		S-SYSTEM (POS38)			C-SYSTEM (POS38)			00	00-9C							
127	ANT-BOOSTER (POS39)		S-SYSTEM (POS39)			C-SYSTEM (POS39)			00	00-9C							
128	ANT-BOOSTER (POS40)		S-SYSTEM (POS40)			C-SYSTEM (POS40)			00	00-9C							
129	ANT-BOOSTER (POS41)		S-SYSTEM (POS41)			C-SYSTEM (POS41)			00	00-9C							
12A	ANT-BOOSTER (POS42)		S-SYSTEM (POS42)			C-SYSTEM (POS42)			00	00-9C							
12B	ANT-BOOSTER (POS43)		S-SYSTEM (POS43)			C-SYSTEM (POS43)			00	00-9C							
12C	ANT-BOOSTER (POS44)		S-SYSTEM (POS44)			C-SYSTEM (POS44)			00	00-9C							
12D	ANT-BOOSTER (POS45)		S-SYSTEM (POS45)			C-SYSTEM (POS45)			00	00-9C							
12E	ANT-BOOSTER (POS46)		S-SYSTEM (POS46)			C-SYSTEM (POS46)			00	00-9C							
12F	ANT-BOOSTER (POS47)		S-SYSTEM (POS47)			C-SYSTEM (POS47)			00	00-9C							
130	ANT-BOOSTER (POS48)		S-SYSTEM (POS48)			C-SYSTEM (POS48)			00	00-9C							
131	ANT-BOOSTER (POS49)		S-SYSTEM (POS49)			C-SYSTEM (POS49)			00	00-9C							
132	ANT-BOOSTER (POS50)		S-SYSTEM (POS50)			C-SYSTEM (POS50)			00	00-9C							
133	ANT-BOOSTER (POS51)		S-SYSTEM (POS51)			C-SYSTEM (POS51)			00	00-9C							
134	ANT-BOOSTER (POS52)		S-SYSTEM (POS52)			C-SYSTEM (POS52)			00	00-9C							
135	ANT-BOOSTER (POS53)		S-SYSTEM (POS53)			C-SYSTEM (POS53)			00	00-9C							
136	ANT-BOOSTER (POS54)		S-SYSTEM (POS54)			C-SYSTEM (POS54)			00	00-9C							
137	ANT-BOOSTER (POS55)		S-SYSTEM (POS55)			C-SYSTEM (POS55)			00	00-9C							
138	ANT-BOOSTER (POS56)		S-SYSTEM (POS56)			C-SYSTEM (POS56)			00	00-9C							
139	ANT-BOOSTER (POS57)		S-SYSTEM (POS57)			C-SYSTEM (POS57)			00	00-9C							
13A	ANT-BOOSTER (POS58)		S-SYSTEM (POS58)			C-SYSTEM (POS58)			00	00-9C							
13B	ANT-BOOSTER (POS59)		S-SYSTEM (POS59)			C-SYSTEM (POS59)			00	00-9C							
13C	ANT-BOOSTER (POS60)		S-SYSTEM (POS60)			C-SYSTEM (POS60)			00	00-9C							
13D	ANT-BOOSTER (POS61)		S-SYSTEM (POS61)			C-SYSTEM (POS61)			00	00-9C							
13E	ANT-BOOSTER (POS62)		S-SYSTEM (POS62)			C-SYSTEM (POS62)			00	00-9C							
13F	ANT-BOOSTER (POS63)		S-SYSTEM (POS63)			C-SYSTEM (POS63)			00	00-9C							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 6	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
140	ANT-BOOSTER (POS64)		S-SYSTEM (POS64)			C-SYSTEM (POS64)			00	00-9C							
141	ANT-BOOSTER (POS65)		S-SYSTEM (POS65)			C-SYSTEM (POS65)			00	00-9C							
142	ANT-BOOSTER (POS66)		S-SYSTEM (POS66)			C-SYSTEM (POS66)			00	00-9C							
143	ANT-BOOSTER (POS67)		S-SYSTEM (POS67)			C-SYSTEM (POS67)			00	00-9C							
144	ANT-BOOSTER (POS68)		S-SYSTEM (POS68)			C-SYSTEM (POS68)			00	00-9C							
145	ANT-BOOSTER (POS69)		S-SYSTEM (POS69)			C-SYSTEM (POS69)			00	00-9C							
146	ANT-BOOSTER (POS70)		S-SYSTEM (POS70)			C-SYSTEM (POS70)			00	00-9C							
147	ANT-BOOSTER (POS71)		S-SYSTEM (POS71)			C-SYSTEM POS71)			00	00-9C							
148	ANT-BOOSTER (POS72)		S-SYSTEM (POS72)			C-SYSTEM (POS72)			00	00-9C							
149	ANT-BOOSTER (POS73)		S-SYSTEM (POS73)			C-SYSTEM (POS73)			00	00-9C							
14A	ANT-BOOSTER (POS74)		S-SYSTEM (POS74)			C-SYSTEM (POS74)			00	00-9C							
14B	ANT-BOOSTER (POS75)		S-SYSTEM (POS75)			C-SYSTEM (POS75)			00	00-9C							
14C	ANT-BOOSTER (POS76)		S-SYSTEM (POS76)			C-SYSTEM (POS76)			00	00-9C							
14D	ANT-BOOSTER (POS77)		S-SYSTEM (POS77)			C-SYSTEM (POS77)			00	00-9C							
14E	ANT-BOOSTER (POS78)		S-SYSTEM (POS78)			C-SYSTEM (POS78)			00	00-9C							
14F	ANT-BOOSTER (POS79)		S-SYSTEM (POS79)			C-SYSTEM (POS79)			00	00-9C							
150	ANT-BOOSTER (POS80)		S-SYSTEM (POS80)			C-SYSTEM (POS80)			00	00-9C							
151	ANT-BOOSTER (POS81)		S-SYSTEM (POS81)			C-SYSTEM (POS81)			00	00-9C							
152	ANT-BOOSTER (POS82)		S-SYSTEM (POS82)			C-SYSTEM (POS82)			00	00-9C							
153	ANT-BOOSTER (POS83)		S-SYSTEM (POS83)			C-SYSTEM (POS83)			00	00-9C							
154	ANT-BOOSTER (POS84)		S-SYSTEM (POS84)			C-SYSTEM (POS84)			00	00-9C							
155	ANT-BOOSTER (POS85)		S-SYSTEM (POS85)			C-SYSTEM (POS85)			00	00-9C							
156	ANT-BOOSTER (POS86)		S-SYSTEM (POS86)			C-SYSTEM (POS86)			00	00-9C							
157	ANT-BOOSTER (POS87)		S-SYSTEM (POS87)			C-SYSTEM (POS87)			00	00-9C							
158	ANT-BOOSTER (POS88)		S-SYSTEM (POS88)			C-SYSTEM (POS88)			00	00-9C							
159	ANT-BOOSTER (POS89)		S-SYSTEM (POS89)			C-SYSTEM (POS89)			00	00-9C							
15A	ANT-BOOSTER (POS90)		S-SYSTEM (POS90)			C-SYSTEM (POS90)			00	00-9C							
15B	ANT-BOOSTER (POS91)		S-SYSTEM (POS91)			C-SYSTEM (POS91)			00	00-9C							
15C	ANT-BOOSTER (POS92)		S-SYSTEM (POS92)			C-SYSTEM (POS92)			00	00-9C							
15D	ANT-BOOSTER (POS93)		S-SYSTEM (POS93)			C-SYSTEM (POS93)			00	00-9C							
15E	ANT-BOOSTER (POS94)		S-SYSTEM (POS94)			C-SYSTEM (POS94)			00	00-9C							
15F	ANT-BOOSTER (POS95)		S-SYSTEM (POS95)			C-SYSTEM (POS95)			00	00-9C							
160	ANT-BOOSTER (POS96)		S-SYSTEM (POS96)			C-SYSTEM (POS96)			00	00-9C							
161	ANT-BOOSTER (POS97)		S-SYSTEM (POS97)			C-SYSTEM (POS97)			00	00-9C							
162	ANT-BOOSTER (POS98)		S-SYSTEM (POS98)			C-SYSTEM (POS98)			00	00-9C							
163	ANT-BOOSTER (POS99)		S-SYSTEM (POS99)			C-SYSTEM (POS99)			00	00-9C							
164			C-SYSTEM (AV2)			C-SYSTEM (AV1)			00	00-44							
165	SLV1 (HIGH)								00	00-FF							
166	SLV1 (LOW)								00	00-FF							
167	SLV2 (HIGH)								00	00-FF							
168	SLV2 (LOW)								00	00-FF							
169	SLV3 (HIGH)								00	00-FF							
16A	SLV3 (LOW)								00	00-FF							
16B	SLV4 (HIGH)								00	00-FF							
16C	SLV4 (LOW)								00	00-FF							
16D	SLV5 (HIGH)								00	00-FF							
16E	SLV5 (LOW)								00	00-FF							
16F	SLV6 (HIGH)								00	00-FF							
170	SLV6 (LOW)								00	00-FF							
171	SLV7 (HIGH)								00	00-FF							
172	SLV7 (LOW)								00	00-FF							
173								TV/AV	00	0(TV), 1(AV1), 2(AV2)							
174		LAST CHANNEL POSITION							01	00-63							
175	FLASH BACK POSITION								01	00-FF							
176	ROM CORRECTION-1 ID									00-FF							Valid (A1)
177	ROM CORRECTION-1 HIGH BYTE ADDRESS									00-FF							
178	ROM CORRECTION-1 LOW BYTE ADDRESS									00-FF							
179	ROM CORRECTION-1 DATA LENGTH									00-FF							
17A	ROM CORRECTION-1 CHECKSUM									00-FF							
17B	ROM CORRECTION-2 ID									00-FF							Valid (A1)
17C	ROM CORRECTION-2 HIGH BYTE ADDRESS									00-FF							
17D	ROM CORRECTION-2 LOW BYTE ADDRESS									00-FF							
17E	ROM CORRECTION-2 DATA LENGTH									00-FF							
17F	ROM CORRECTION-2 CHECKSUM									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 7	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
180	ROM CORRECTION-1 CODE									00-FF							
181	ROM CORRECTION-1 CODE									00-FF							
182	ROM CORRECTION-1 CODE									00-FF							
183	ROM CORRECTION-1 CODE									00-FF							
184	ROM CORRECTION-1 CODE									00-FF							
185	ROM CORRECTION-1 CODE									00-FF							
186	ROM CORRECTION-1 CODE									00-FF							
187	ROM CORRECTION-1 CODE									00-FF							
188	ROM CORRECTION-1 CODE									00-FF							
189	ROM CORRECTION-1 CODE									00-FF							
18A	ROM CORRECTION-1 CODE									00-FF							
18B	ROM CORRECTION-1 CODE									00-FF							
18C	ROM CORRECTION-1 CODE									00-FF							
18D	ROM CORRECTION-1 CODE									00-FF							
18E	ROM CORRECTION-1 CODE									00-FF							
18F	ROM CORRECTION-1 CODE									00-FF							
190	ROM CORRECTION-1 CODE									00-FF							
191	ROM CORRECTION-1 CODE									00-FF							
192	ROM CORRECTION-1 CODE									00-FF							
193	ROM CORRECTION-1 CODE									00-FF							
194	ROM CORRECTION-1 CODE									00-FF							
195	ROM CORRECTION-1 CODE									00-FF							
196	ROM CORRECTION-1 CODE									00-FF							
197	ROM CORRECTION-1 CODE									00-FF							
198	ROM CORRECTION-1 CODE									00-FF							
199	ROM CORRECTION-1 CODE									00-FF							
19A	ROM CORRECTION-1 CODE									00-FF							
19B	ROM CORRECTION-1 CODE									00-FF							
19C	ROM CORRECTION-1 CODE									00-FF							
19D	ROM CORRECTION-1 CODE									00-FF							
19E	ROM CORRECTION-1 CODE									00-FF							
19F	ROM CORRECTION-1 CODE									00-FF							
1A0	ROM CORRECTION-2 CODE									00-FF							
1A1	ROM CORRECTION-2 CODE									00-FF							
1A2	ROM CORRECTION-2 CODE									00-FF							
1A3	ROM CORRECTION-2 CODE									00-FF							
1A4	ROM CORRECTION-2 CODE									00-FF							
1A5	ROM CORRECTION-2 CODE									00-FF							
1A6	ROM CORRECTION-2 CODE									00-FF							
1A7	ROM CORRECTION-2 CODE									00-FF							
1A8	ROM CORRECTION-2 CODE									00-FF							
1A9	ROM CORRECTION-2 CODE									00-FF							
1AA	ROM CORRECTION-2 CODE									00-FF							
1AB	ROM CORRECTION-2 CODE									00-FF							
1AC	ROM CORRECTION-2 CODE									00-FF							
1AD	ROM CORRECTION-2 CODE									00-FF							
1AE	ROM CORRECTION-2 CODE									00-FF							
1AF	ROM CORRECTION-2 CODE									00-FF							
1B0	ROM CORRECTION-2 CODE									00-FF							
1B1	ROM CORRECTION-2 CODE									00-FF							
1B2	ROM CORRECTION-2 CODE									00-FF							
1B3	ROM CORRECTION-2 CODE									00-FF							
1B4	ROM CORRECTION-2 CODE									00-FF							
1B5	ROM CORRECTION-2 CODE									00-FF							
1B6	ROM CORRECTION-2 CODE									00-FF							
1B7	ROM CORRECTION-2 CODE									00-FF							
1B8	ROM CORRECTION-2 CODE									00-FF							
1B9	ROM CORRECTION-2 CODE									00-FF							
1BA	ROM CORRECTION-2 CODE									00-FF							
1BB	ROM CORRECTION-2 CODE									00-FF							
1BC	ROM CORRECTION-2 CODE									00-FF							
1BD	ROM CORRECTION-2 CODE									00-FF							
1BE	ROM CORRECTION-2 CODE									00-FF							
1BF	ROM CORRECTION-2 CODE									00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
EEPROM CHECK DATA LIST 8	MANAGER		MANAGER		MANAGER	
	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
1C0	Message Favorite Three - Character 01								FF	00-FF							
1C1	Message Favorite Three - Character 02								FF	00-FF							
1C2	Message Favorite Three - Character 03								FF	00-FF							
1C3	Message Favorite Three - Character 04								FF	00-FF							
1C4	Message Favorite Three - Character 05								FF	00-FF							
1C5	Message Favorite Three - Character 06								FF	00-FF							
1C6	Message Favorite Three - Character 07								FF	00-FF							
1C7	Message Favorite Three - Character 08								FF	00-FF							
1C8	Message Favorite Three - Character 09								FF	00-FF							
1C9	Message Favorite Three - Character 10								FF	00-FF							
1CA	Message Favorite Three - Character 11								FF	00-FF							
1CB	Message Favorite Three - Character 12								FF	00-FF							
1CC	Message Favorite Three - Character 13								FF	00-FF							
1CD	Message Favorite Three - Character 14								FF	00-FF							
1CE	Message Favorite Three - Character 15								FF	0-FF							
1CF	Message Favorite Three - Character 16								FF	0-FF							
1D0	Message Favorite Three - Character 17								FF	0-FF							
1D1	Message Favorite Three - Character 18								FF	0-FF							
1D2	Message Favorite Three - Character 19								FF	0-FF							
1D3	Message Favorite Three - Character 20								FF	0-FF							
1D4	Message Favorite Three - Character 21								FF	0-FF							
1D5	Message Favorite Three - Character 22								FF	0-FF							
1D6	Message Favorite Three - Character 23								FF	0-FF							
1D7	Message Favorite Three - Character 24								FF	0-FF							
1D8	Message Favorite Three - Character 25								FF	0-FF							
1D9	Message Favorite Three - Character 26								FF	0-FF							
1DA	Message Favorite Three - Character 27								FF	0-FF							
1DB	Message Favorite Three - Character 28								FF	0-FF							
1DC	Message Favorite Three - Character 29								FF	0-FF							
1DD	Message Favorite Three - Character 30								FF	0-FF							
1DE	Message Favorite Three - Character 31								FF	0-FF							
1DF	Message Favorite Three - Character 32								FF	0-FF							
1E0	Message Favorite Three - Character 33								FF	0-FF							
1E1	Message Favorite Three - Character 34								FF	0-FF							
1E2	Message Favorite Three - Character 35								FF	0-FF							
1E3	Message Favorite Three - Character 36								FF	0-FF							
1E4	Message Favorite Three - Character 37								FF	0-FF							
1E5	Message Favorite Three - Character 38								FF	0-FF							
1E6	Message Favorite Three - Character 39								FF	0-FF							
1E7	Message Favorite Three - Character 40								FF	0-FF							
1E8	Message Favorite Three - Character 41								FF	0-FF							
1E9	Message Favorite Three - Character 42								FF	0-FF							
1EA	Message Favorite Three - Character 43								FF	0-FF							
1EB	Message Favorite Three - Character 44								FF	0-FF							
1EC	Message Favorite Three - Character 45								FF	0-FF							
1ED	Message Favorite Three - Character 46								FF	0-FF							
1EE	Message Favorite Three - Character 47								FF	0-FF							
1EF	Message Favorite Three - Character 48								FF	0-FF							
1F0	Message Favorite Three - Character 49								FF	0-FF							
1F1	Message Favorite Three - Character 50								FF	0-FF							
1F2	Message Favorite Three - Character 51								FF	0-FF							
1F3	Message Favorite Three - Character 52								FF	0-FF							
1F4	Message Favorite Three - Character 53								FF	0-FF							
1F5	Message Favorite Three - Character 54								FF	0-FF							
1F6	Message Favorite Three - Character 55								FF	0-FF							
1F7	Message Favorite Three - Character 56								FF	0-FF							
1F8	Message Favorite Three - Character 57								FF	0-FF							
1F9	Message Favorite Three - Character 58								FF	0-FF							
1FA	Message Favorite Three - Character 59								FF	0-FF							
1FB	Message Favorite Three - Character 60								FF	0-FF							
1FC	Message Favorite Three - Character 61								FF	0-FF							
1FD	Message Favorite Three - Character 62								FF	0-FF							
1FE	Message Favorite Three - Character 63								FF	0-FF							
1FF	Message Favorite Three - Character 64								FF	0-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 9	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
200		R-DRIVE (V00)							3F	00-7F							
201		B-DRIVE (V00)							3F	00-7F							
202	R-CUTOFF (V00)								7F	00-FF							
203	G-CUTOFF (V00)								7F	00-FF							
204	B-CUTOFF (V00)								7F	00-FF							
205		RF-AGC (V01)							32	00-7F							
206			VIF-VCO (V02)						1F	00-3F							
207						H-VCO (V03)			03	00-07							
208		SUB CONTRAST (V04)							64	00-7F							
209		SUB COLOUR (V05)							3F	00-7F							
20A	SUB BRIGHTNESS (V06)								7F	00-FF							
20B		SUB TINT (V07)							3F	00-7F							
20C			SUB SHARPNESS (V08)						2B	00-3F							
20D		SUB-COLOUR-YUV (V09)							5A	00-7F							
20E		SUB-TINT-YUV (V10)							3F	00-7F							
20F			V-SIZE-50Hz (V11)						26	00-3F							
210						V-SHIFT-50Hz (V12)			03	00-07							
211				H-SHIFT-50Hz (V13)					09	00-1F							
212			SECAM BR (V14)						25	00-3F							
213			SECAM BB (V15)						16	00-3F							
214			SUB VOLUME (V16)						3C	00-3C							
215			V-SIZE-60Hz (V17)						1F	00-3E							
216					V-SHIFT-60Hz (V18)				06	00-0E							
217				H-SHIFT-60Hz (V19)					11	00-1E							
218					S-TRAP-BG (V20)				07	00-0F							
219					S-TRAP-I (V21)				07	00-0F							
21A					S-TRAP-DK (V22)				07	00-0F							
21B					S-TRAP-M (V23)				07	00-0F							
21C					S-TRAP-574 (V24)				07	00-0F							
21D		R-DRIVE YUV (V25)							3F	00-7F							
21E		B-DRIVE YUV (V25)							3F	00-7F							
21F	R-CUTOFF YUV (V25)								7F	00-FF							
220	G-CUTOFF YUV (V25)								7F	00-FF							
221	B-CUTOFF YUV (V25)								7F	00-FF							
222		SUB CONTRAST YUV (V26)							64	00-7F							
223	SUB BRIGHTNESS YUV (V27)								7F	00-FF							
224	VS-CORRECT (V28)								20	00-3F							
225	VS-CORRECT OFFSET (V29)								0D	00-1A							
226	V-LINEARITY (V30)								20	00-3F							
227	V-LINEARITY OFFSET (V31)								0D	00-1A							
228																	
229																	
22A																	
22B																	
22C		S-OUT-LEVEL (F06)							5F	00-7F							
22D						VIF-G (F07)			04	00-07							
22E						YDL (F13)			05	00-07							
22F						YDL-PAL (F14)			05	00-07							
230						YDL-SECAM (F15)			07	00-07							
231						YDL-N443 (F16)			05	00-07							
232						YDL-N358 (F17)			05	00-07							
233						YDL-AV (F18)			06	00-07							
234						YDL-AV-PAL (F19)			06	00-07							
235						YDL-AV-SECAM (F20)			07	00-07							
236						YDL-AV-N443 (F21)			06	00-07							
237						YDL-AV-N358 (F22)			06	00-07							
238						YDL-YUV (F23)			06	00-07							
239			COLOUR-AV (F24)						29	00-3E							
23A			COLOUR-PAL (F25)						1F	00-3E							
23B			COLOUR-SECAM (F26)						28	00-3E							
23C			COLOUR-N443 (F27)						17	00-3E							
23D			COLOUR-N358 (F28)						18	00-3E							
23E			COLUR-ADJ (F29)						1F	00-3E							
23F			SHARPNESS-AV (F30)						24	00-3E							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 10	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
240			SHARPNESS-YUV (F31)						1F	00-3E							
241			SHARPNESS-PAL (F32)						1F	00-3E							
242			SHARPNESS-SECAM (F33)						1A	00-3E							
243			SHARPNESS-N443 (F34)						1F	00-3E							
244			SHARPNESS-N358 (F35)						1F	00-3E							
245		TINT-AV (F36)							3F	00-7E							
246		TINT-ADJ (F37)							3F	00-7E							
247		TINT-YUV-ADJ (F38)							3F	00-7E							
248		R-R DRIVE (F39)							47	00-7E							
249		B-R DRIVE (F40)							35	00-7E							
24A		R-B DRIVE (F41)							3C	00-7E							
24B		B-B DRIVE (F42)							4C	00-7E							
24C							TRAP (F43)		02	00-03							
24D							TRAP-PAL (F44)		02	00-03							
24E							TRAP-SECAM (F45)		02	00-03							
24F							TRAP-N443 (F46)		02	00-03							
250							TRAP-N358 (F47)		02	00-03							
251							GAMMA (F52)		00	00-03							
252					BS-D/C (F53)				0A	00-0F							
253						SL-TV (F56)			02	00-07							
254						SL-AV (F57)			04	00-07							
255						SL-YUV (F58)			04	00-07							
256					VD2/VD1/AS/FBP-TV (F59)				06	00-0F							
257					VD2/VD1/AS/FBP-AV (F60)				0E	00-0F							
258					VD2/VD1/AS/FBP-YUV (F61)				0E	00-0F							
259							VDL (F62)		00	00-03							
25A							UDL (F63)		00	00-03							
25B							AUTO-SCM-KIL-TV (F64)		01	00-03							
25C							SECAM-BGP (F65)		00	00-03							
25D			TEXT POS-H-Not-Use (F67)						00	00-3F							(1) No teletext function
25E			TEXT POS-V-Not-Use (F68)						00	00-3F							
25F		OSD-POS (F69)							09	00-7F							
260						SUB-BASS (F72)			06	00-07							
261						SUB-TREBLE (F73)			00	00-07							
262						AGC-ADJ (F74)			00	00-04							
263				AGC-GAIN-ADJUST-Not-Use (F76)					00	00-1F							
264				FM-LEVEL-ADJUST-Not-Use (F77)					00	00-1E							
265				IGR-LEVEL-ADJUST-Not-Use (F78)					00	00-1E							
266				NICAM-BG-LEVEL-ADJUST-Not-Use (F79)					00	00-1E							
267				NICAM-I-LEVEL-ADJUST-Not-Use (F80)					00	00-1E							
268				NICAM-DK-LEVEL-ADJUST-Not-Use (F81)					00	00-1E							
269	NICAM-LOWER-ERROR-LIMIT-Not-Use (F82)								00	00-FF							
26A	NICAM-UPPER-ERROR-LIMIT-Not-Use (F83)								00	00-FF							
26B					IGR-GAIN-ADJUST-Not-Use (F84)				00	00-0D							
26C							FM-ID-SPEED-Not-Use (F85)		00	00-03							
26D							AUTO-SCM-KIL-AV-YUV (F87)		01	00-03							
26E							AFC1-GAIN-TV (F88)		00	00-03							
26F							AFC1-GAIN-AV (F89)		03	00-03							
270							AFC1-GAIN-YUV (F90)		03	00-03							
271							CON-REDUCE-Not-Use (F91)		00	00-02							1. Keep but no use
272	AC-FAIL-WO-BRIGHT (F96)								FF	00-FF							
273							FORCED-SCM-KIL-TV (F97)		02	00-03							
274							FORCED-SCM-KIL-AV-YUV (F98)		02	00-03							
275	VIDEO-DEMUTE-DELAY (F100)								00	00-FF							
276	SOUND-DEMUTE-DELAY (F101)								00	00-FF							
277	MER-Not-Use (F102)								00	00-FF							
278	MEL1-Not-Use (F103)								00	00-FF							
279	MEL2-Not-Use (F104)								00	00-FF							
27A	MEL3-Not-Use (F105)								00	00-FF							
27B	MEL4-Not-Use (F106)								00	00-FF							Not used
27C	MEL5-Not-Use (F107)								00	00-FF							
27D	MEL6-Not-Use (F108)								00	1-FF							
27E			S-Start Point-Not-Use (F109)						00	00-3C							
27F			S-Stop Point-Not-Use (F110)						00	00-3C							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 11	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
280			S-Step-Not-Use (F111)						00	00-3C							
281			S-B-BASS-Not-Use (F113)						00	00-3C							
282			S-B-TREB-Not-Use (F114)						00	00-3C							
283			S-BASS (F115)						3C	00-3C							
284			S-TREB (F116)						3C	00-3C							
285	WO-Bright-After-WO-TIME (F120)								FF	00-FF							
286		WO-Contrast-After-WO-TIME (F121)							7F	00-7F							
287	WO-Bright-Before-WO-TIME(F122)								FF	00-FF							
288		WO-Contrast-Before-WO-TIME (F123)							7F	00-7F							
289				WO-TIME (F124)					00	00-1F							
28A		R-DRI YUV OFFSET (F126)							3F	00-7E							
28B		B-DRI YUV OFFSET (F127)							3F	00-7E							
28C	R-CUT OFF YUV OFFSET (F128)								3F	00-7E							
28D	G-CUT OFF YUV OFFSET (F129)								3F	00-7E							
28E	B-CUT OFF YUV OFFSET (F130)								3F	00-7E							
28F		CONTRAST YUV OFFSET (F131)							3F	00-7E							
290	BRIGHT YUV OFFSET (F132)								3F	00-7E							
291	SHP ANT ON II OFFSET (F133)								1F	00-3E							
292	WAIT MODE TIME (F134)								02	00-02							
293	CONTRAST OFFSET (F135)								3F	00-7E							
294	BRIGHT OFFSET (F136)								3F	00-7E							
295	CR-PEDESTEL ADJ (F137)								08	00-0F							
296	CB-PEDESTEL ADJ (F138)								08	00-0F							
297	AV-BRIGHTNESS OFFSET (F140)								16	00-1E							
298	BASS OFFSET (F141)								1E	00-3C							
299	TREBLE OFFSET (F142)								1E	00-3C							
29A			OSD POS V50 (F149)						24	01-37							
29B			OSD POS V60 (F150)						1F	01-32							
29C							SIF BPF WIDE (F145)		00	00-03							
29D							SIF-BPF-WIDE-574 (F146)		00	00-03							
29E						AGC ADJ R2S15903SP (F147)			00	00-07							
29F																	
2A0	HALF-H-KILLER (F153)	MCUVOUT (F152)	FSC FREE (F151)	ABCL-G (F05)	ABCL (F04)	BS OFF (F03)	RGB CLIP (F02)	C.CLIP-LVL (F01)	A0	00-FF							
2A1				SHP-G-N3 (F12)	SHP-G-N4 (F11)	SHP-G-SCM (F10)	SHP-G-PAL (F09)	SHP-G (F08)	10	00-1F							
2A2	PLL-CP (F70)	N45 (F66)	OM DET (F55)	BS GAIN (F54)	AFC2 (F51)	V-FREE (F50)	1W-AV (F49)	1W-TV (F48)	82	00-FF							
2A3		V-AGC (F154)	Pow-Storage (F112)	R-Y Adj. (F99)	C-ANGLE (F95)	TAKE-OFF-YUV (F94)	TAKE-OFF-AV (F93)	TAKE-OFF-TV (F92)	39	00-7F							
2A4	AGC-MODE (F148)	AS-SPEED-UP (F144)	AS-SPEED-DN (F143)	SIF-PAL (F139)	A2-ID-Response (F125)	V-STD YUV (F119)	V-STD-AV (F118)	V-STD-TV (F117)	00	00-FF							
2A5						NICAM-AUTO-MUTE (F86)	AGC-SW-OFF (F75)	SMALL-SURR (F71)	00	00-07							
2A6	AV2 (O11)	AV (O10)	Forced-Col (O08)	N358-TV (O07)	N443-TV (O06)	SECAM (O05)	VIF (O04)	HOTEL (O01)	DE	00-FF							
2A7	LED-CONT (O21)	R/C MENU (O20)	BIL (O17)	TEXT (O16)	A2 (O15)	NICAM (O14)	S-CTR (O13)	YUV (O12)	03	00-FF							
2A8	1-Chip (O30)	LNA TUNER (O29)	MESSAGE (O27)	ANT-BOOSTER (O26)	WHITE BACK (O25)	YUV BKGD (O24)	Sharp-logo (O23)	S-Booster (O22)	28	00-FF							
2A9					M (O09)	D/K (O09)	I (O09)	B/G (O09)	0F	01-0F							
2AA		Thai (018)	Arabic (O18)	Malay (O18)	Russian (O18)	France (O18)	Chinese (O18)	Engilish (O18)	3F	01-7F							
2AB						SEARCH SPEED (O19)			03	01-05							
2AC	HOTEL CHANNEL POSITION (O02)								FF	00-63, FF							
2AD	HOTEL VOLUME (O03)								FF	00-3C, FF							
2AE	MESSAGE SCROLL TIME (O28)								0A	00-14							
2AF	MESSAGE INPUT TIME (O31)								02	00-04							
2B0						HSYNC-JUDGE (O34)	S-CTRL LIMIT (O33)	SOUND IC (O32)	04	00-07							
2B1																	
2B2																	
2B3																	
2B4																	
2B5																	
2B6																	
2B7																	
2B8	Inbox Message - Character 65								FF	00-FF							
2B9	Inbox Message - Character 66								FF	00-FF							
2BA	Inbox Message - Character 67								FF	00-FF							
2BB	Inbox Message - Character 68								FF	00-FF							
2BC	Inbox Message - Character 69								FF	00-FF							
2BD	Inbox Message - Character 70								FF	00-FF							
2BE	Inbox Message - Character 71								FF	00-FF							
2BF	Inbox Message - Character 72								FF	00-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
EEPROM CHECK DATA LIST 12	MANAGER		MANAGER		MANAGER	
	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
2C0	Inbox Message - Character 01								FF	0-FF							
2C1	Inbox Message - Character 02								FF	0-FF							
2C2	Inbox Message - Character 03								FF	0-FF							
2C3	Inbox Message - Character 04								FF	0-FF							
2C4	Inbox Message - Character 05								FF	0-FF							
2C5	Inbox Message - Character 06								FF	0-FF							
2C6	Inbox Message - Character 07								FF	0-FF							
2C7	Inbox Message - Character 08								FF	0-FF							
2C8	Inbox Message - Character 09								FF	0-FF							
2C9	Inbox Message - Character 10								FF	0-FF							
2CA	Inbox Message - Character 11								FF	0-FF							
2CB	Inbox Message - Character 12								FF	0-FF							
2CC	Inbox Message - Character 13								FF	0-FF							
2CD	Inbox Message - Character 14								FF	0-FF							
2CE	Inbox Message - Character 15								FF	0-FF							
2CF	Inbox Message - Character 16								FF	0-FF							
2D0	Inbox Message - Character 17								FF	0-FF							
2D1	Inbox Message - Character 18								FF	0-FF							
2D2	Inbox Message - Character 19								FF	0-FF							
2D3	Inbox Message - Character 20								FF	0-FF							
2D4	Inbox Message - Character 21								FF	0-FF							
2D5	Inbox Message - Character 22								FF	0-FF							
2D6	Inbox Message - Character 23								FF	0-FF							
2D7	Inbox Message - Character 24								FF	0-FF							
2D8	Inbox Message - Character 25								FF	0-FF							
2D9	Inbox Message - Character 26								FF	0-FF							
2DA	Inbox Message - Character 27								FF	0-FF							
2DB	Inbox Message - Character 28								FF	0-FF							
2DC	Inbox Message - Character 29								FF	0-FF							
2DD	Inbox Message - Character 30								FF	0-FF							
2DE	Inbox Message - Character 31								FF	0-FF							
2DF	Inbox Message - Character 32								FF	0-FF							
2E0	Inbox Message - Character 33								FF	0-FF							
2E1	Inbox Message - Character 34								FF	0-FF							
2E2	Inbox Message - Character 35								FF	0-FF							
2E3	Inbox Message - Character 36								FF	0-FF							
2E4	Inbox Message - Character 37								FF	0-FF							
2E5	Inbox Message - Character 38								FF	0-FF							
2E6	Inbox Message - Character 39								FF	0-FF							
2E7	Inbox Message - Character 40								FF	0-FF							
2E8	Inbox Message - Character 41								FF	0-FF							
2E9	Inbox Message - Character 42								FF	0-FF							
2EA	Inbox Message - Character 43								FF	0-FF							
2EB	Inbox Message - Character 44								FF	0-FF							
2EC	Inbox Message - Character 45								FF	0-FF							
2ED	Inbox Message - Character 46								FF	0-FF							
2EE	Inbox Message - Character 47								FF	0-FF							
2EF	Inbox Message - Character 48								FF	0-FF							
2F0	Inbox Message - Character 49								FF	0-FF							
2F1	Inbox Message - Character 50								FF	0-FF							
2F2	Inbox Message - Character 51								FF	0-FF							
2F3	Inbox Message - Character 52								FF	0-FF							
2F4	Inbox Message - Character 53								FF	0-FF							
2F5	Inbox Message - Character 54								FF	0-FF							
2F6	Inbox Message - Character 55								FF	0-FF							
2F7	Inbox Message - Character 56								FF	0-FF							
2F8	Inbox Message - Character 57								FF	0-FF							
2F9	Inbox Message - Character 58								FF	0-FF							
2FA	Inbox Message - Character 59								FF	0-FF							
2FB	Inbox Message - Character 60								FF	0-FF							
2FC	Inbox Message - Character 61								FF	0-FF							
2FD	Inbox Message - Character 62								FF	0-FF							
2FE	Inbox Message - Character 63								FF	0-FF							
2FF	Inbox Message - Character 64								FF	0-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
	MANAGER		MANAGER		MANAGER	
EEPROM CHECK DATA LIST 13	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
300																	
301																	
302																	
303																	
304																	
305																	
306																	
307																	
308																	
309																	
30A																	
30B																	
30C																	
30D																	
30E																	
30F																	
310																	
311																	
312																	
313																	
314																	
315																	
316																	
317																	
318																	
319																	
31A																	
31B																	
31C																	
31D																	
31E																	
31F																	
320																	
321																	
322																	
323																	
324																	
325																	
326																	
327																	
328																	
329																	
32A																	
32B																	
32C																	
32D																	
32E																	
32F																	
330																	
331																	
332																	
333																	
334																	
335																	
336																	
337																	
338																	
339																	
33A																	
33B																	
33C																	
33D																	
33E																	
33F																	
MODEL									MODEL								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP	TV DESIGN ENGINEERING	TV PRODUCTION ENGINEERING
	ISSUED DATE :5 Apr 2006	ISSUED DATE :	ISSUED DATE :
EEPROM CHECK DATA LIST 14	MANAGER	MANAGER	MANAGER
	CHIEF	CHIEF	CHIEF
	ENGINEER KL Tan	ENGINEER	ENGINEER

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	REMARK
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	
340																	
341																	
342																	
343																	
344																	
345																	
346																	
347																	
348																	
349																	
34A																	
34B																	
34C																	
34D																	
34E																	
34F																	
350																	
351																	
352																	
353																	
354																	
355																	
356																	
357																	
358																	
359																	
35A																	
35B																	
35C																	
35D																	
35E																	
35F																	
360																	
361																	
362																	
363																	
364																	
365																	
366	SLV8 (HIGH)								00	0-FF							Add in for R2S15903 sound IC
367	SLV8 (LOW)								00	0-FF							
368	Message Favorite Three- Character 65								FF	0-FF							
369	Message Favorite Three- Character 66								FF	0-FF							
36A	Message Favorite Three- Character 67								FF	0-FF							
36B	Message Favorite Three- Character 68								FF	0-FF							
36C	Message Favorite Three- Character 69								FF	0-FF							
36D	Message Favorite Three- Character 70								FF	0-FF							
36E	Message Favorite Three- Character 71								FF	0-FF							
36F	Message Favorite Three- Character 72								FF	0-FF							
370	Message Favorite Two- Character 65								FF	0-FF							
371	Message Favorite Two- Character 66								FF	0-FF							
372	Message Favorite Two- Character 67								FF	0-FF							
373	Message Favorite Two- Character 68								FF	0-FF							
374	Message Favorite Two- Character 69								FF	0-FF							
375	Message Favorite Two- Character 70								FF	0-FF							
376	Message Favorite Two- Character 71								FF	0-FF							
377	Message Favorite Two- Character 72								FF	0-FF							
378	Message Favorite One- Character 65								FF	0-FF							
379	Message Favorite One- Character 66								FF	0-FF							
37A	Message Favorite One- Character 67								FF	0-FF							
37B	Message Favorite One- Character 68								FF	0-FF							
37C	Message Favorite One- Character 69								FF	0-FF							
37D	Message Favorite One- Character 70								FF	0-FF							
37E	Message Favorite One- Character 71								FF	0-FF							
37F	Message Favorite One- Character 72								FF	0-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
EEPROM CHECK DATA LIST 15	MANAGER		MANAGER		MANAGER	
	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
380	Message Favorite One- Character 01								FF	00-FF							
381	Message Favorite One- Character 02								FF	00-FF							
382	Message Favorite One- Character 03								FF	0-FF							
383	Message Favorite One- Character 04								FF	0-FF							
384	Message Favorite One- Character 05								FF	0-FF							
385	Message Favorite One- Character 06								FF	0-FF							
386	Message Favorite One- Character 07								FF	0-FF							
387	Message Favorite One- Character 08								FF	0-FF							
388	Message Favorite One- Character 09								FF	0-FF							
389	Message Favorite One- Character 10								FF	0-FF							
38A	Message Favorite One- Character 11								FF	0-FF							
38B	Message Favorite One- Character 12								FF	0-FF							
38C	Message Favorite One- Character 13								FF	0-FF							
38D	Message Favorite One- Character 14								FF	0-FF							
38E	Message Favorite One- Character 15								FF	0-FF							
38F	Message Favorite One- Character 16								FF	0-FF							
390	Message Favorite One- Character 17								FF	0-FF							
391	Message Favorite One- Character 18								FF	0-FF							
392	Message Favorite One- Character 19								FF	0-FF							
393	Message Favorite One- Character 20								FF	0-FF							
394	Message Favorite One- Character 21								FF	0-FF							
395	Message Favorite One- Character 22								FF	0-FF							
396	Message Favorite One- Character 23								FF	0-FF							
397	Message Favorite One- Character 24								FF	0-FF							
398	Message Favorite One- Character 25								FF	0-FF							
399	Message Favorite One- Character 26								FF	0-FF							
39A	Message Favorite One- Character 27								FF	0-FF							
39B	Message Favorite One- Character 28								FF	0-FF							
39C	Message Favorite One- Character 29								FF	0-FF							
39D	Message Favorite One- Character 30								FF	0-FF							
39E	Message Favorite One- Character 31								FF	0-FF							
39F	Message Favorite One- Character 32								FF	0-FF							
3A0	Message Favorite One- Character 33								FF	0-FF							
3A1	Message Favorite One- Character 34								FF	0-FF							
3A2	Message Favorite One- Character 35								FF	0-FF							
3A3	Message Favorite One- Character 36								FF	0-FF							
3A4	Message Favorite One- Character 37								FF	0-FF							
3A5	Message Favorite One- Character 38								FF	0-FF							
3A6	Message Favorite One- Character 39								FF	0-FF							
3A7	Message Favorite One- Character 40								FF	0-FF							
3A8	Message Favorite One- Character 41								FF	0-FF							
3A9	Message Favorite One- Character 42								FF	0-FF							
3AA	Message Favorite One- Character 43								FF	0-FF							
3AB	Message Favorite One- Character 44								FF	0-FF							
3AC	Message Favorite One- Character 45								FF	0-FF							
3AD	Message Favorite One- Character 46								FF	0-FF							
3AE	Message Favorite One- Character 47								FF	0-FF							
3AF	Message Favorite One- Character 48								FF	0-FF							
3B0	Message Favorite One- Character 49								FF	0-FF							
3B1	Message Favorite One- Character 50								FF	0-FF							
3B2	Message Favorite One- Character 51								FF	0-FF							
3B3	Message Favorite One- Character 52								FF	0-FF							
3B4	Message Favorite One- Character 53								FF	0-FF							
3B5	Message Favorite One- Character 54								FF	0-FF							
3B6	Message Favorite One- Character 55								FF	0-FF							
3B7	Message Favorite One- Character 56								FF	0-FF							
3B8	Message Favorite One- Character 57								FF	0-FF							
3B9	Message Favorite One- Character 58								FF	0-FF							
3BA	Message Favorite One- Character 59								FF	0-FF							
3BB	Message Favorite One- Character 60								FF	0-FF							
3BC	Message Favorite One- Character 61								FF	0-FF							
3BD	Message Favorite One- Character 62								FF	0-FF							
3BE	Message Favorite One- Character 63								FF	0-FF							
3BF	Message Favorite One- Character 64								FF	0-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

MEMORY MAP (Continued)

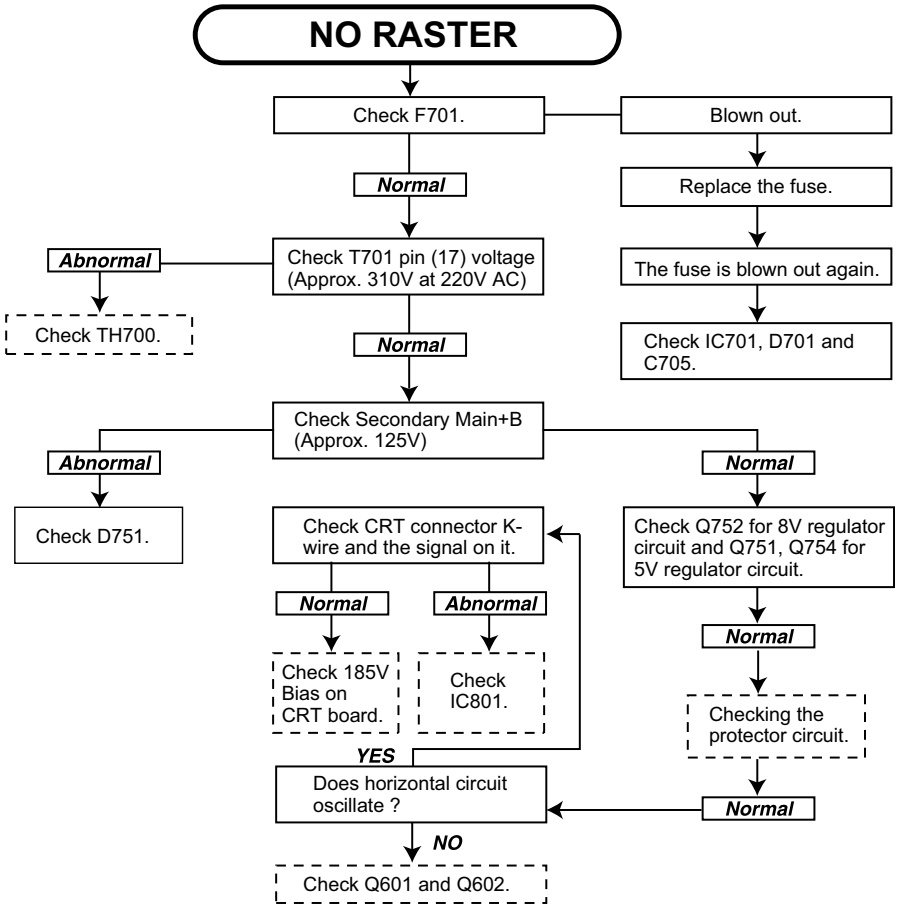
MODEL : IXB725WJN1 (GA6 PAL)	SEM PCD SOFTWARE GROUP		TV DESIGN ENGINEERING		TV PRODUCTION ENGINEERING	
	ISSUED DATE :5 Apr 2006		ISSUED DATE :		ISSUED DATE :	
EEPROM CHECK DATA LIST 16	MANAGER		MANAGER		MANAGER	
	CHIEF		CHIEF		CHIEF	
	ENGINEER	KL Tan	ENGINEER		ENGINEER	

SLAVE ADDRESS : A0(00-FF) A2(100-1FF) A4(200-2FF) A6(300-3FF)

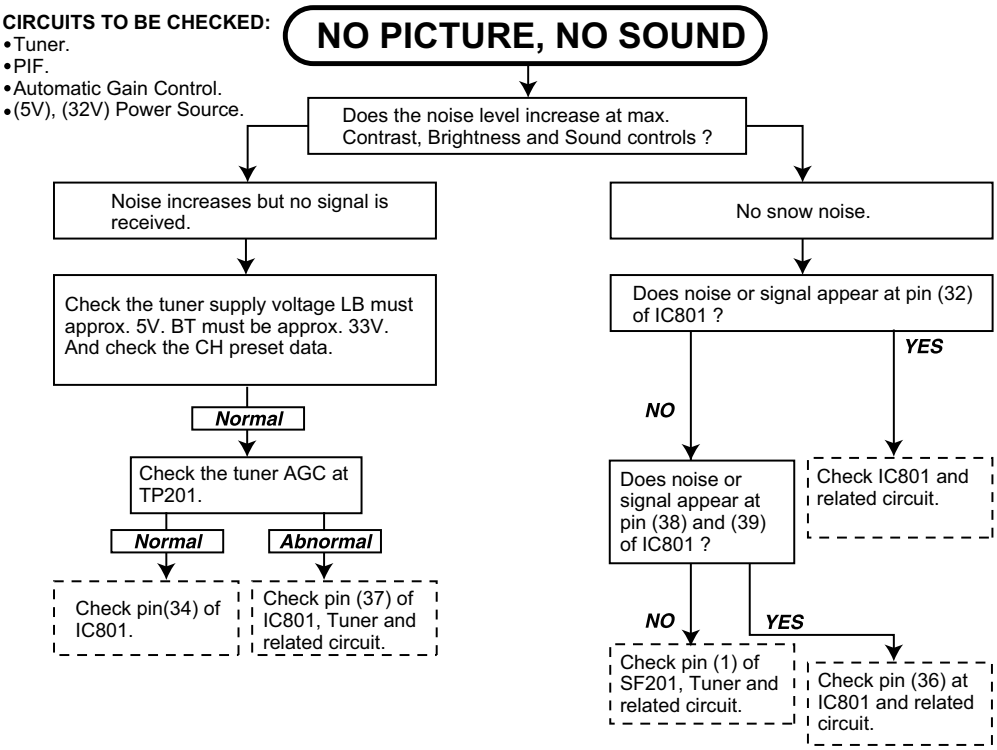
ADDRESS	DATA								MICON	EEPROM	EEPROM	CHASSIS		CTV FINAL		LAST INITIAL	
(HEX)	D7	D6	D5	D4	D3	D2	D1	D0	DEFAULT	RANGE	WRITE(CPU)	CHECK DATA	CHECK TYPE	CHECK DATA	CHECK TYPE	SETTING DATA	REMARK
3C0	Message Favorite Two- Character 01								FF	0-FF							
3C1	Message Favorite Two- Character 02								FF	0-FF							
3C2	Message Favorite Two- Character 03								FF	0-FF							
3C3	Message Favorite Two- Character 04								FF	0-FF							
3C4	Message Favorite Two- Character 05								FF	0-FF							
3C5	Message Favorite Two- Character 06								FF	0-FF							
3C6	Message Favorite Two- Character 07								FF	0-FF							
3C7	Message Favorite Two- Character 08								FF	0-FF							
3C8	Message Favorite Two- Character 09								FF	0-FF							
3C9	Message Favorite Two- Character 10								FF	0-FF							
3CA	Message Favorite Two- Character 11								FF	0-FF							
3CB	Message Favorite Two- Character 12								FF	0-FF							
3CC	Message Favorite Two- Character 13								FF	0-FF							
3CD	Message Favorite Two- Character 14								FF	0-FF							
3CE	Message Favorite Two- Character 15								FF	0-FF							
3CF	Message Favorite Two- Character 16								FF	0-FF							
3D0	Message Favorite Two- Character 17								FF	0-FF							
3D1	Message Favorite Two- Character 18								FF	0-FF							
3D2	Message Favorite Two- Character 19								FF	0-FF							
3D3	Message Favorite Two- Character 20								FF	0-FF							
3D4	Message Favorite Two- Character 21								FF	0-FF							
3D5	Message Favorite Two- Character 22								FF	0-FF							
3D6	Message Favorite Two- Character 23								FF	0-FF							
3D7	Message Favorite Two- Character 24								FF	0-FF							
3D8	Message Favorite Two- Character 25								FF	0-FF							
3D9	Message Favorite Two- Character 26								FF	0-FF							
3DA	Message Favorite Two- Character 27								FF	0-FF							
3DB	Message Favorite Two- Character 28								FF	0-FF							
3DC	Message Favorite Two- Character 29								FF	0-FF							
3DD	Message Favorite Two- Character 30								FF	0-FF							
3DE	Message Favorite Two- Character 31								FF	0-FF							
3DF	Message Favorite Two- Character 32								FF	0-FF							
3E0	Message Favorite Two- Character 33								FF	0-FF							
3E1	Message Favorite Two- Character 34								FF	0-FF							
3E2	Message Favorite Two- Character 35								FF	0-FF							
3E3	Message Favorite Two- Character 36								FF	0-FF							
3E4	Message Favorite Two- Character 37								FF	0-FF							
3E5	Message Favorite Two- Character 38								FF	0-FF							
3E6	Message Favorite Two- Character 39								FF	0-FF							
3E7	Message Favorite Two- Character 40								FF	0-FF							
3E8	Message Favorite Two- Character 41								FF	0-FF							
3E9	Message Favorite Two- Character 42								FF	0-FF							
3EA	Message Favorite Two- Character 43								FF	0-FF							
3EB	Message Favorite Two- Character 44								FF	0-FF							
3EC	Message Favorite Two- Character 45								FF	0-FF							
3ED	Message Favorite Two- Character 46								FF	0-FF							
3EE	Message Favorite Two- Character 47								FF	0-FF							
3EF	Message Favorite Two- Character 48								FF	0-FF							
3F0	Message Favorite Two- Character 49								FF	0-FF							
3F1	Message Favorite Two- Character 50								FF	0-FF							
3F2	Message Favorite Two- Character 51								FF	0-FF							
3F3	Message Favorite Two- Character 52								FF	0-FF							
3F4	Message Favorite Two- Character 53								FF	0-FF							
3F5	Message Favorite Two- Character 54								FF	0-FF							
3F6	Message Favorite Two- Character 55								FF	0-FF							
3F7	Message Favorite Two- Character 56								FF	0-FF							
3F8	Message Favorite Two- Character 57								FF	0-FF							
3F9	Message Favorite Two- Character 58								FF	0-FF							
3FA	Message Favorite Two- Character 59								FF	0-FF							
3FB	Message Favorite Two- Character 60								FF	0-FF							
3FC	Message Favorite Two- Character 61								FF	0-FF							
3FD	Message Favorite Two- Character 62								FF	0-FF							
3FE	Message Favorite Two- Character 63								FF	0-FF							
3FF	Message Favorite Two- Character 64								FF	0-FF							
MODEL									MODEL								
LETTER NO.									LETTER NO.								

CHAPTER 5. TROUBLE SHOOTING FLOWCHART

[1] TROUBLE SHOOTING FLOWCHART

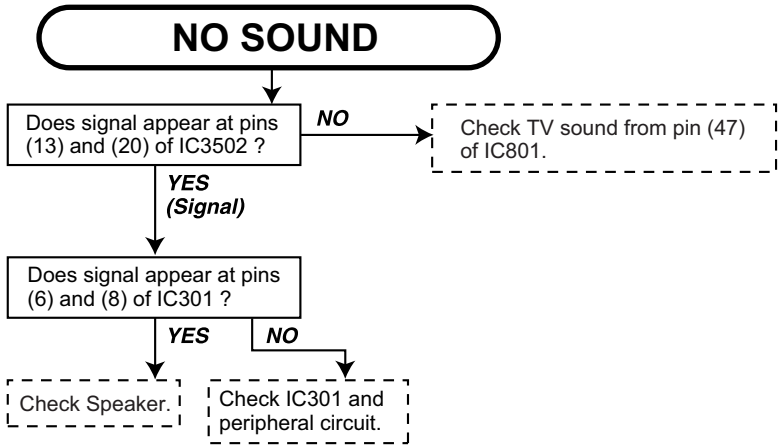


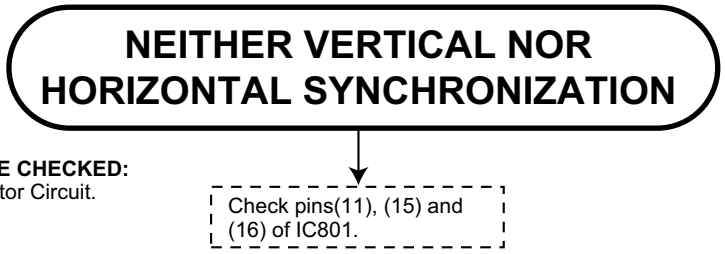
CIRCUITS TO BE CHECKED:
- Tuner.
- PIF.
- Automatic Gain Control.
- (5V), (32V) Power Source.


NO PICTURE, NO SOUND
Does the noise level increase at max. Contrast, Brightness and Sound controls ?
Noise increases but no signal is received.
No snow noise.
Check the tuner supply voltage LB must approx. 5V. BT must be approx. 33V. And check the CH preset data.
Does noise or signal appear at pin (32) of IC801 ?
YES
NO
Normal
Check the tuner AGC at TP201.
Does noise or signal appear at pin (38) and (39) of IC801 ?
Check IC801 and related circuit.
Normal
Abnormal
NO
YES
Check pin(34) of IC801.
Check pin (37) of IC801, Tuner and related circuit.
Check pin (1) of SF201, Tuner and related circuit.
Check pin (36) at IC801 and related circuit.

TROUBLE SHOOTING FLOWCHART (Continued)

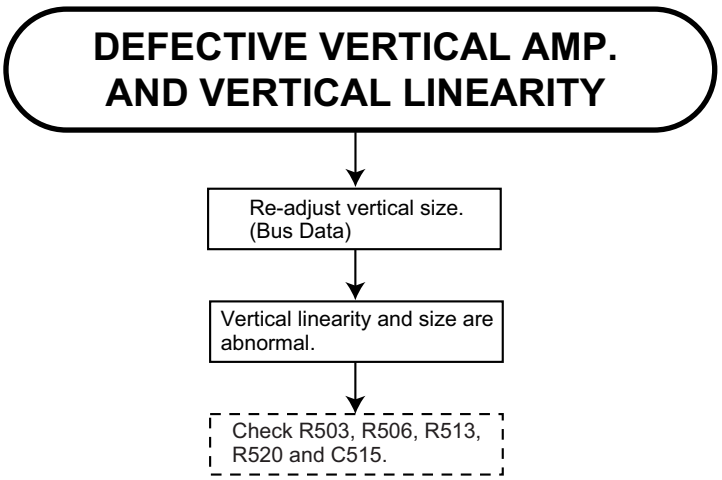
CIRCUITS TO BE CHECKED:
- Sound Detector Circuit.
- Sound Switch and Att. Control.
- Audio Output Circuit.

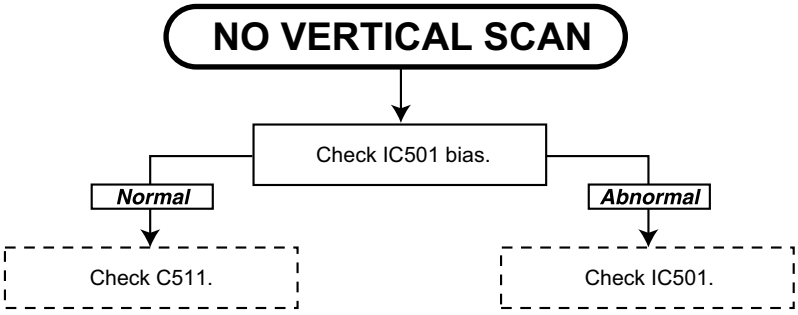

NO SOUND
Does signal appear at pins (13) and (20) of IC3502 ?
NO
Check TV sound from pin (47) of IC801.
YES (Signal)
Does signal appear at pins (6) and (8) of IC301 ?
YES
NO
Check Speaker.
Check IC301 and peripheral circuit.

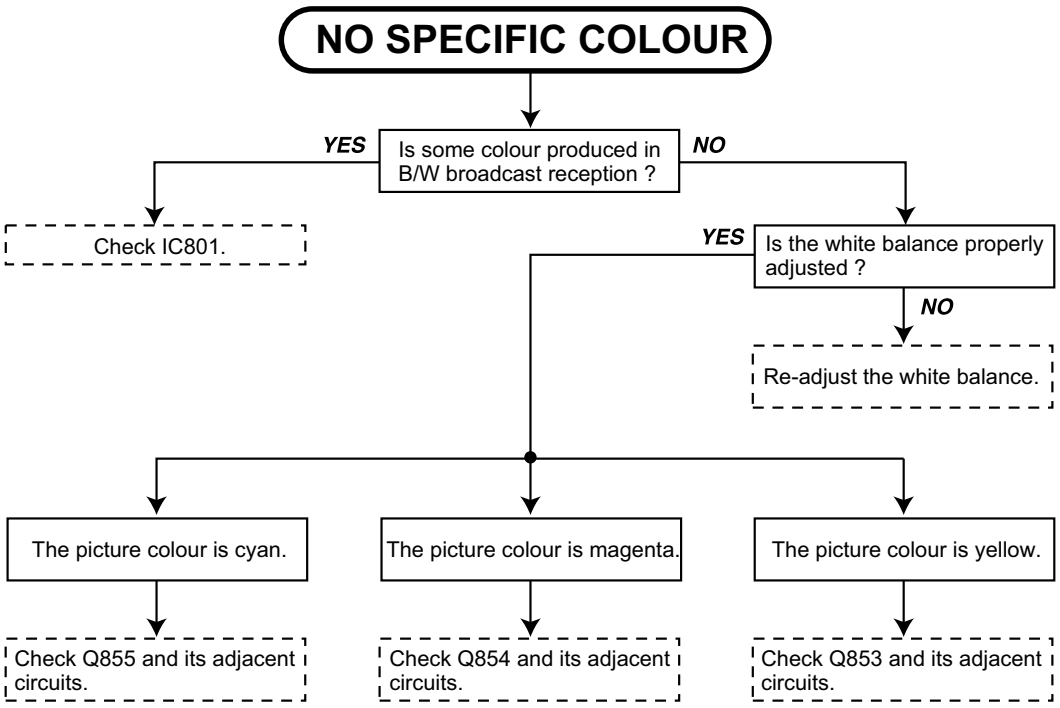


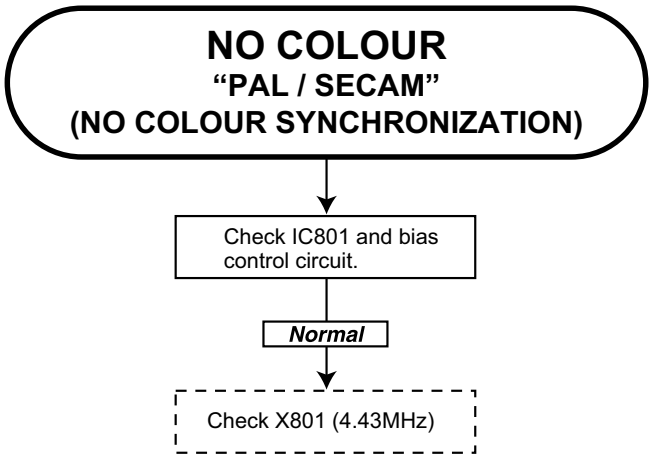
CIRCUIT TO BE CHECKED:
- Sync. Separator Circuit.

Check pins(11), (15) and (16) of IC801.


DEFECTIVE VERTICAL AMP. AND VERTICAL LINEARITY
Re-adjust vertical size. (Bus Data)
Vertical linearity and size are abnormal.
Check R503, R506, R513, R520 and C515.



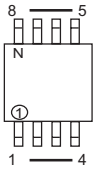

NO SPECIFIC COLOUR
YES
Is some colour produced in B/W broadcast reception ?
NO
Check IC801.
YES
Is the white balance properly adjusted ?
NO
Re-adjust the white balance.
The picture colour is cyan.
The picture colour is magenta.
The picture colour is yellow.
Check Q855 and its adjacent circuits.
Check Q854 and its adjacent circuits.
Check Q853 and its adjacent circuits.


NO COLOUR
"PAL / SECAM"
(NO COLOUR SYNCHRONIZATION)
Check IC801 and bias control circuit.
Normal
Check X801 (4.43MHz)

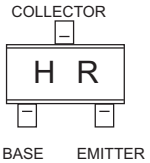
CHAPTER 6. SOLID STATE DEVICE BASE DIAGRAM

[1] SOLID STATE DEVICE BASE DIAGRAM

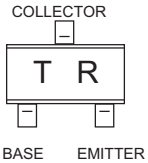
TOP VIEW



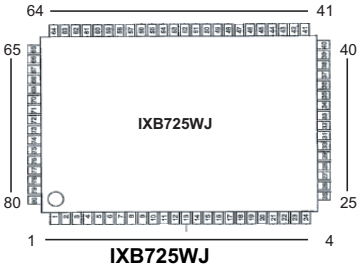
BR24L08



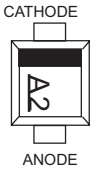
3928



A1530

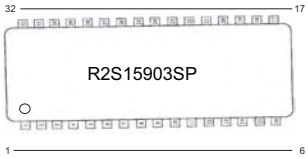


IXB725WJ



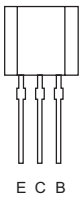
EX1393C

EX0263T

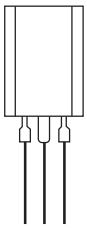


R2S15903SP

SIDE VIEW

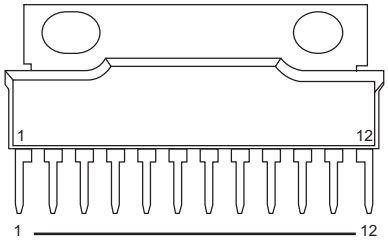


2SC3198

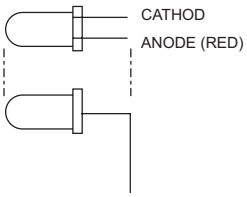


2SD468-C
2SC2235

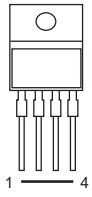
TT2140



AN17820B

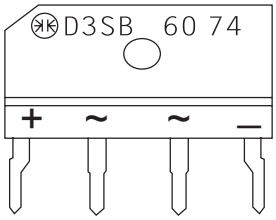


PX0013

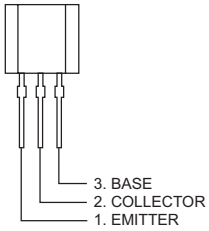


PQ09RDA

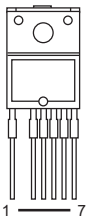
LA78040N



DX0476CE



TX0110BM

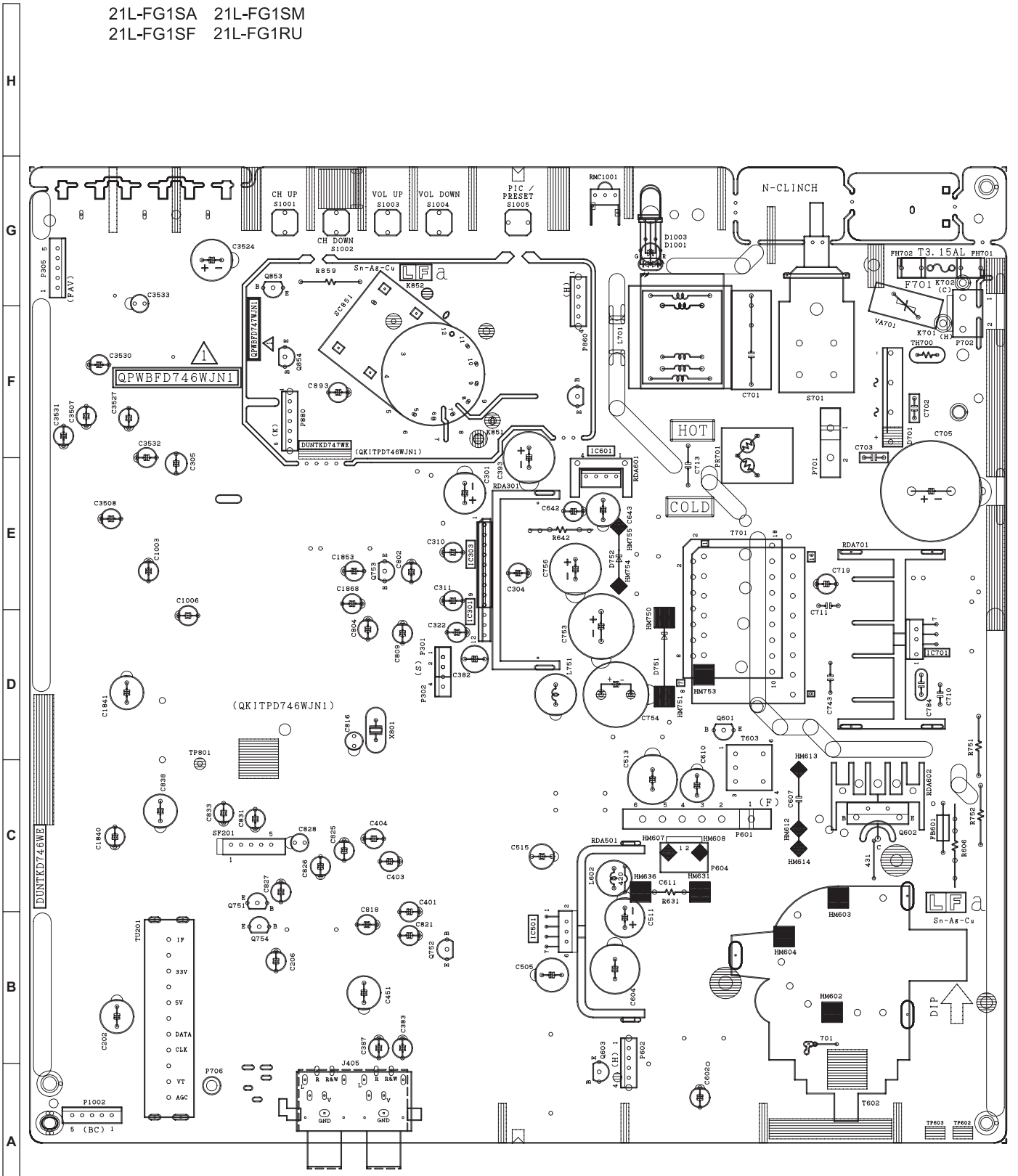


STRW5453

CHAPTER 7. CHASSIS LAYOUT

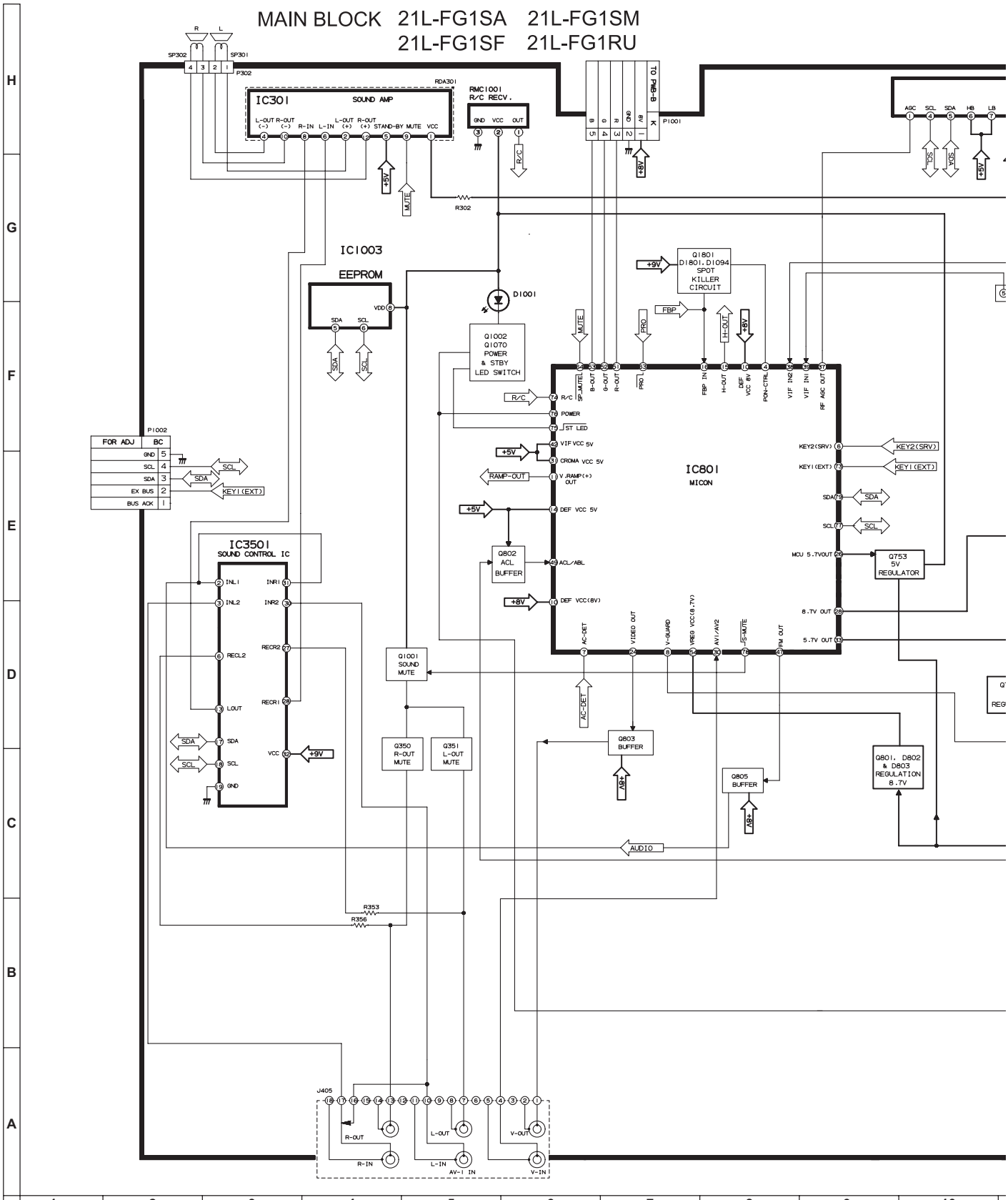
[1] CHASSIS LAYOUT

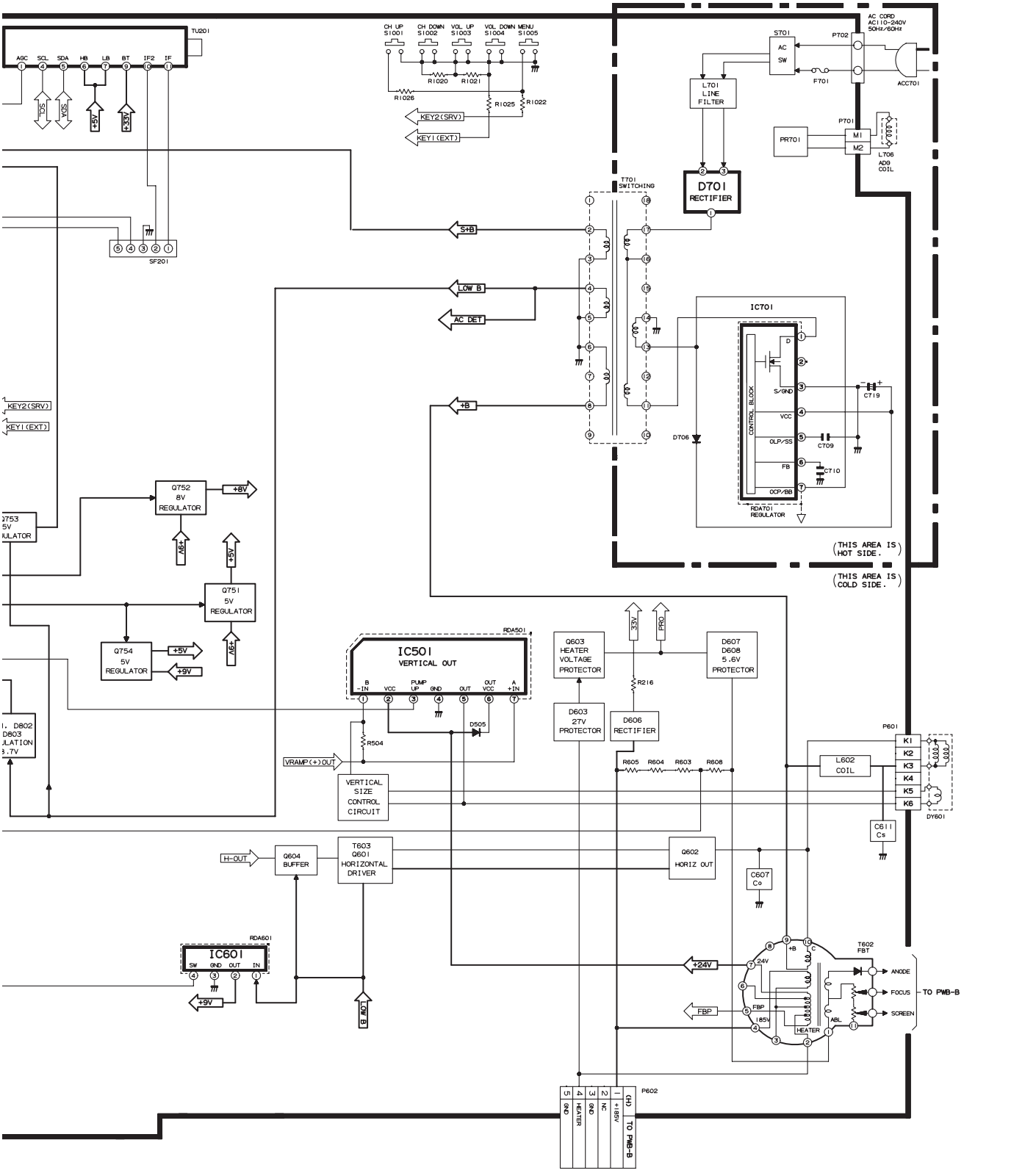
21L-FG1SA 21L-FG1SM
21L-FG1SF 21L-FG1RU



CHAPTER 8. BLOCK DIAGRAM

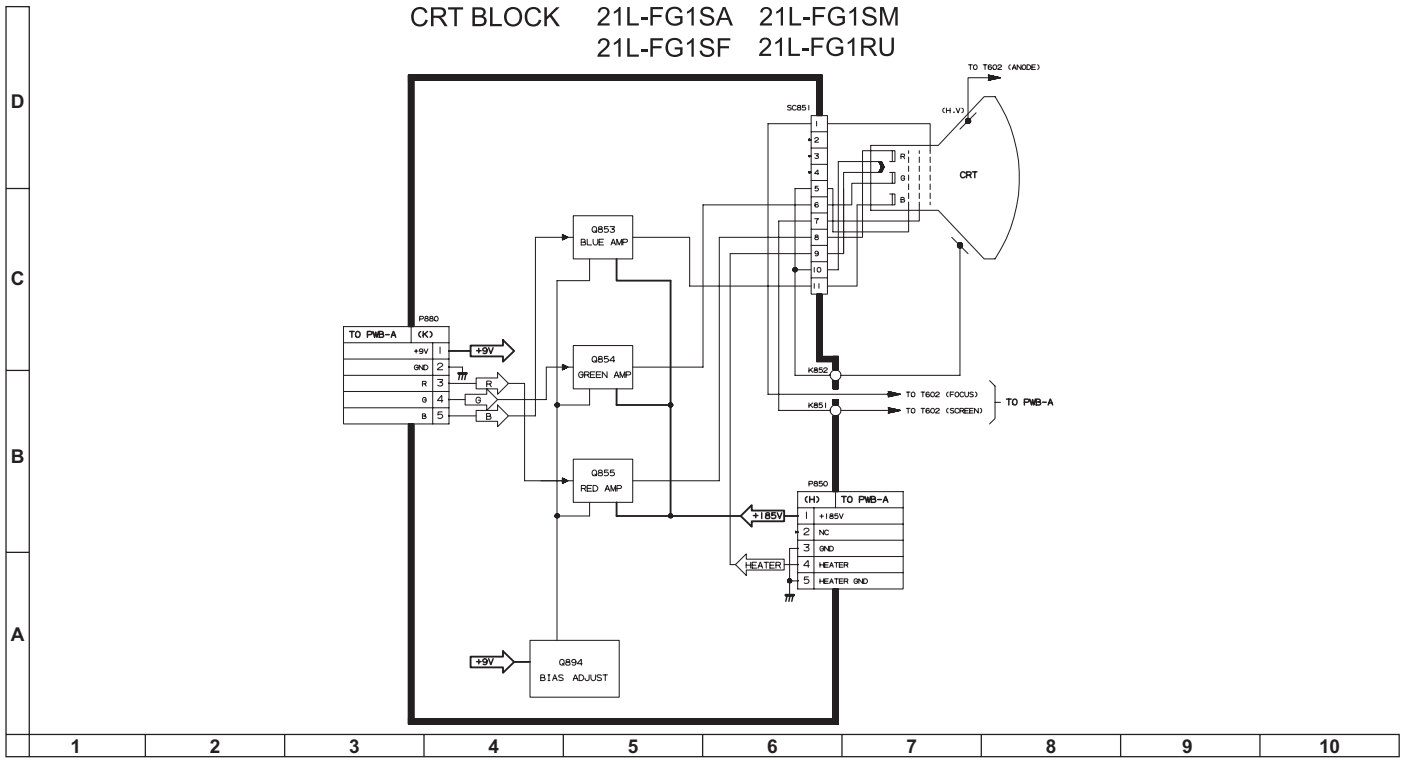
[1] BLOCK DIAGRAM: MAIN UNIT





10	11	12	13	14	15	16	17	18	19

[2] BLOCK DIAGRAM: CRT UNIT



CHAPTER 9. DESCRIPTION OF SCHEMATIC DIAGRAM

[1] DESCRIPTION OF SCHEMATIC DIAGRAM

SAFETY NOTES:

1. DISCONNECT THE AC PLUG FROM THE AC OUTLET BEFORE REPLACING PARTS.
2. SEMICONDUCTOR HEAT SINKS SHOULD BE REGARDED AS POTENTIAL SHOCK HAZARDS WHEN THE CHASSIS IS OPERATING.

IMPORTANT SAFETY NOTICE:

PARTS MARKED WITH " ⚠ " ( ) ARE IMPOTANT FOR MAINTAINING THE SAFETY OF THE SET. BE SURE TO REPLACE THESE PARTS WITH SPECIFIED ONES FOR MAINTAINING THE SAFETY AND PERFORMANCE OF THE SET.

SERVICE PRECAUTION:

THE AREA ENCLOSED BY THIS LINE (—— - ——) IS DIRECTLY CONNECTED WITH AC MAINS VOLTAGE. WHEN SERVICING THE AREA, CONNECT AN ISOLATING TRANSFORMER BETWEEN TV RECEIVER AND AC LINE TO ELIMINATE HAZARD OF ELECTRIC SHOCK.

CAUTION:

This circuit diagram is a standard one, prited circuits may be subject to change for product improvement without prior notice.

NOTES:

1. The unit of resistance "ohm" is omitted. (K = 1000 ohms, M = Mega ohm).
2. All resistors are 1/16 watt, unless otherwise noted.
3. All capacitors are μF, unless otherwise noted. (P = μμF).

VOLTAGE MEASUREMENT CONDITIONS:

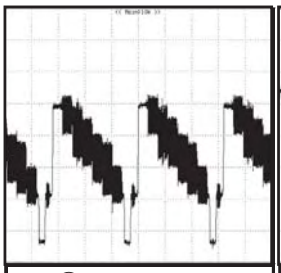
1. Voltages in parenthesis measured with no signal.
2. Voltages without parenthesis measured with 3mV B & W or Colour signal.
3. All the voltages in each point are measured with VTVM.

WAVEFORM MEASUREMENT CONDITIONS:

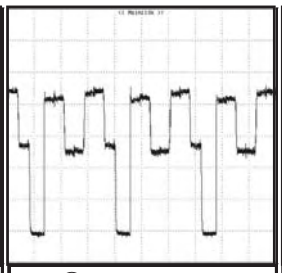
1. The colour bar generator signal of 1.0V peak applied at pin (32) of IC801.
2. Approximately 4V AGC bias.

CHAPTER 10. WAVEFORMS

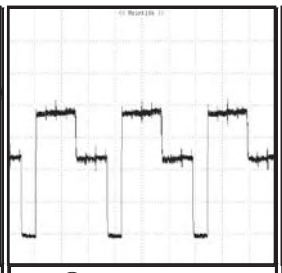
[1] WAVEFORMS



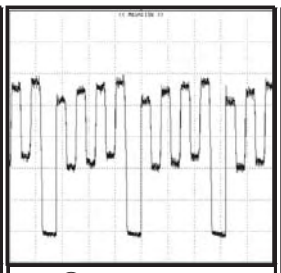
① 0.96 Vp-p (H)



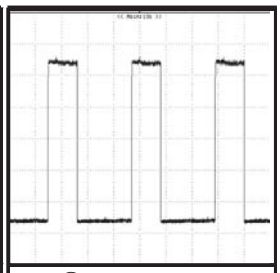
② 4.75 Vp-p (H)



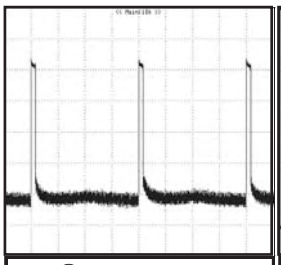
③ 4.37 Vp-p (H)



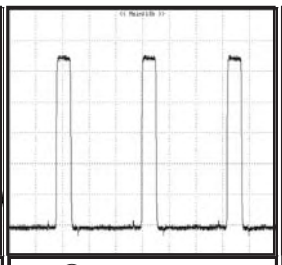
④ 5.16 Vp-p (H)



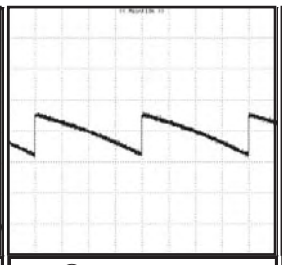
⑤ 5.29 Vp-p (H)



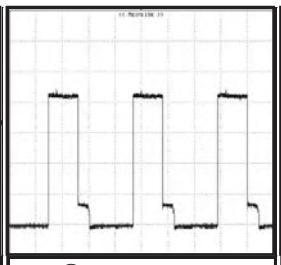
⑥ 4.83 Vp-p (H)



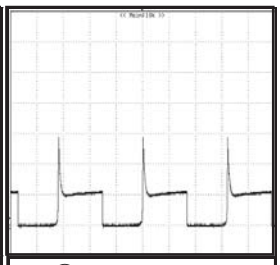
⑦ 5.83 Vp-p (V)



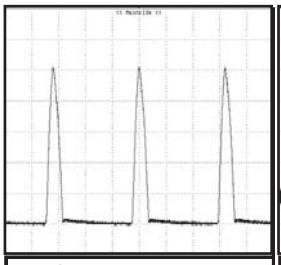
⑧ 1.45 Vp-p (V)



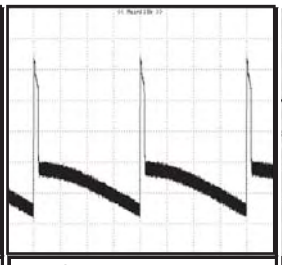
⑨ 4.58 Vp-p (H)



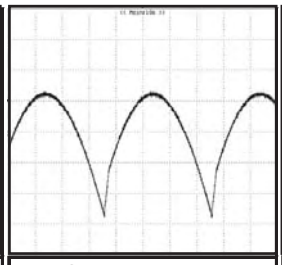
⑩ 59.16 Vp-p (H)



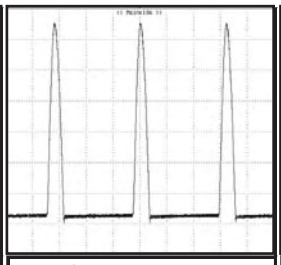
⑪ 1.02 KVp-p (H)



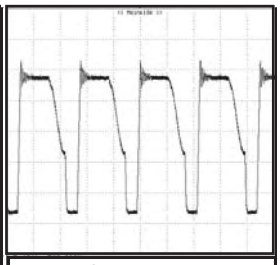
⑫ 52.08 Vp-p (V)



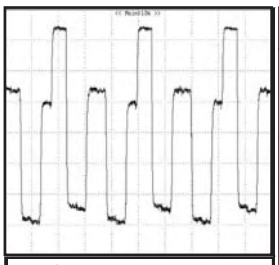
⑬ 4.08 Vp-p (V)



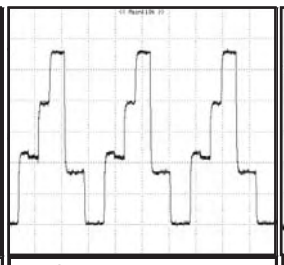
⑭ 130 Vp-p (H)



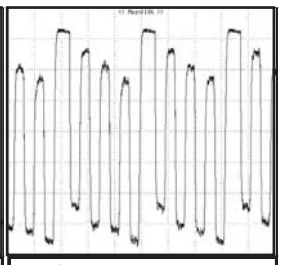
⑮ 500 Vp-p



⑯ 129.16 Vp-p (H)



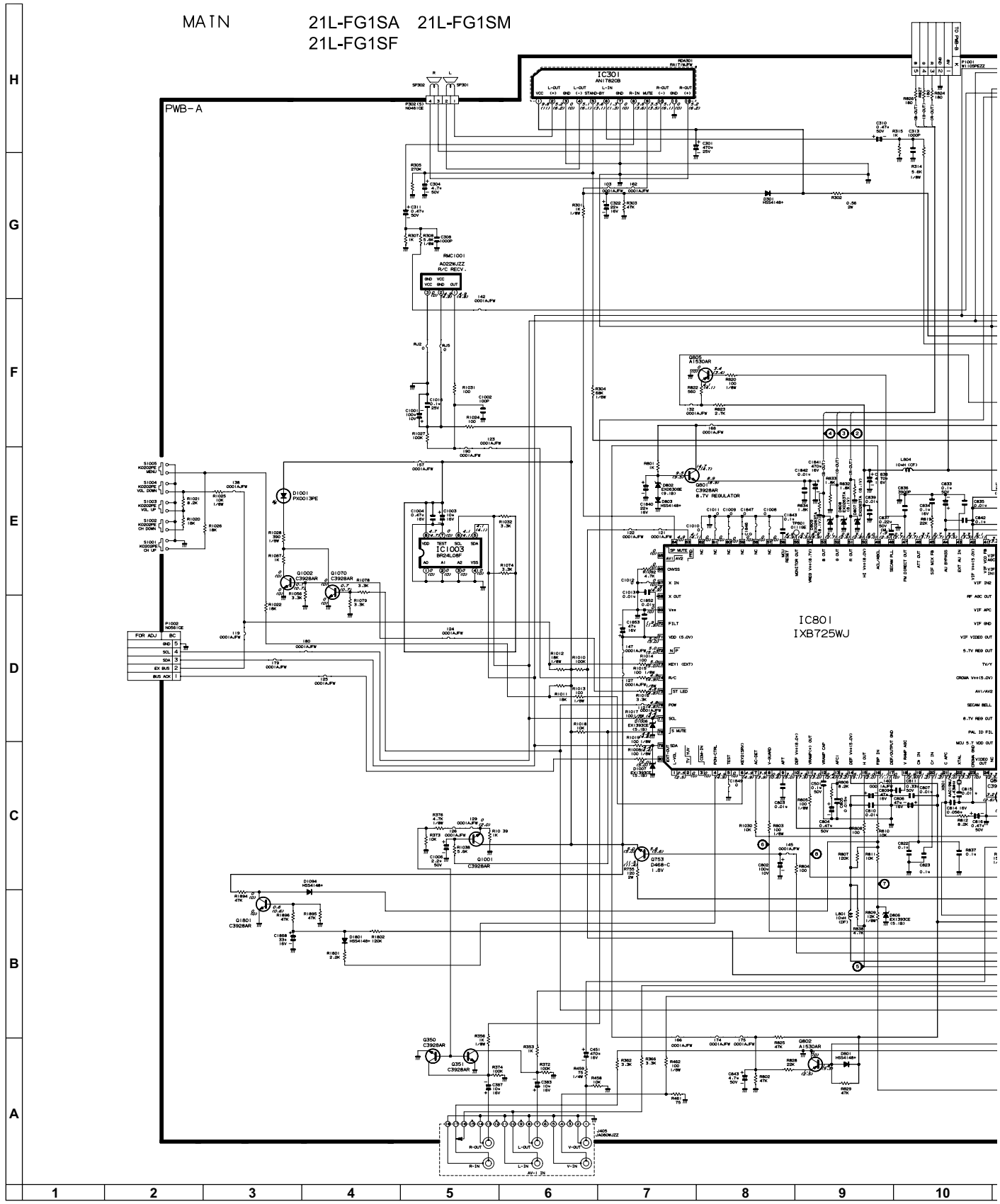
⑰ 114.16 Vp-p (V)

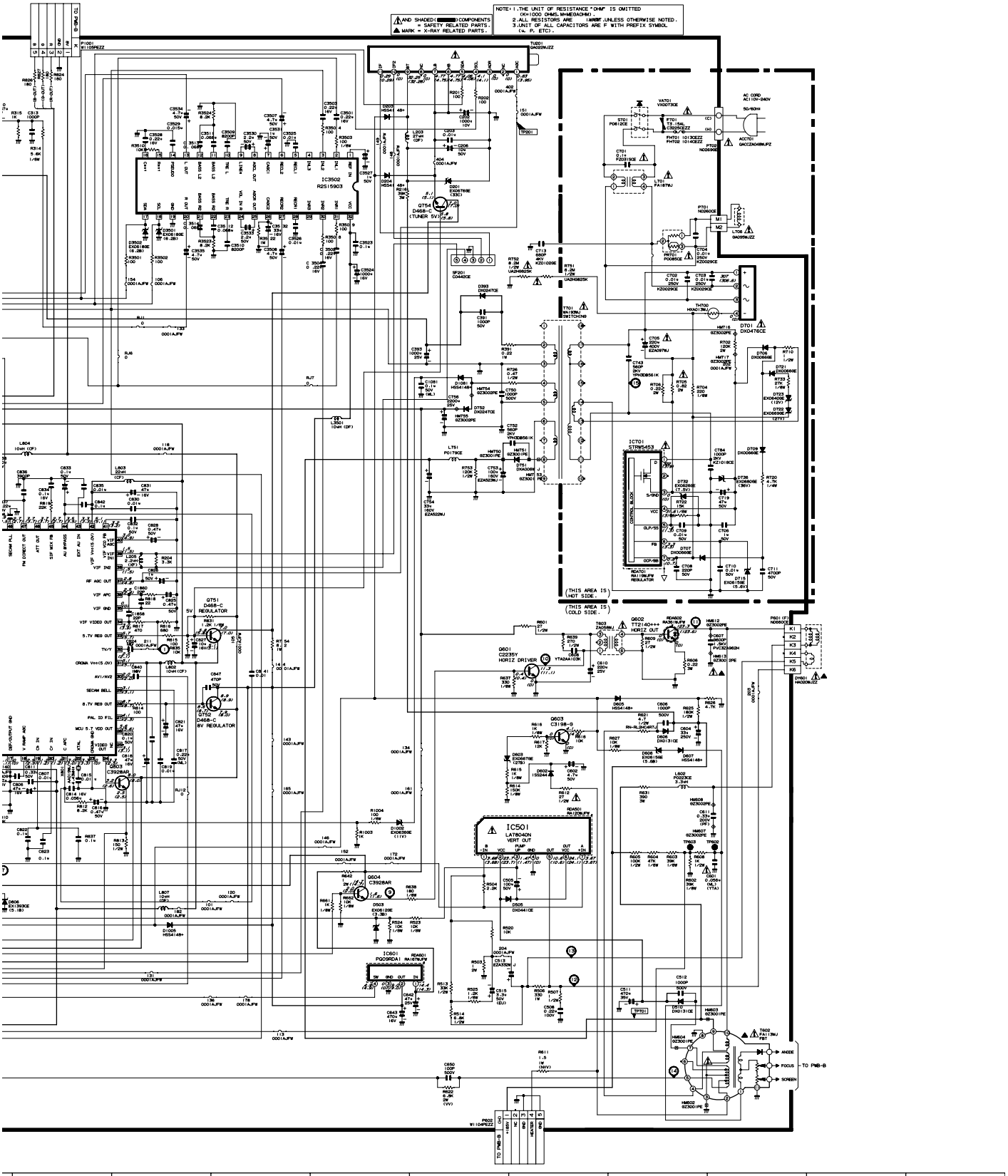


⑱ 140.83 Vp-p (H)

CHAPTER 11. SCHEMATIC DIAGRAM

[1] SCHEMATIC DIAGRAM: MAIN UNIT


MAIN
21L-FG1SA 21L-FG1SM
21L-FG1SF
PWB-A
IC301
AN17820B
IC801
IXB725WJ
IC1003
BR24L08F
Q805
A1530AR
C3928AR
8.7V REGULATOR
Q753
D468-C
1.8V
Q350
C3928AR
Q351
C3928AR
Q1001
C3928AR
Q1002
C3928AR
Q1070
C3928AR
Q1801
C3928AR
Q802
A1530AR
D1001
PXD013PE
D1094
HSS414B+
D1801
HSS414B+
D801
HSS414B+
D803
HSS414B+
D806
EX13R3CE
15.1B3
D807
EX13R3CE
15.1B3
RMC1001
AD22WJZZ
R/C RECV.
J405
JACKOWJZZ
R-OUT
L-OUT
V-OUT
R-IN
L-IN
V-IN
AV-1 IN
FOR ADJ
SCL
SDA
EX BUS
BUS ACK
SP MUTE
ST LED
R/C
POW
KEY1 (EXT)
VIF VIDEO OUT
RF AGC OUT
VIF APC
VIF GND
5.7V REG OUT
TV-Y
CROMA Vcc(5.0V)
AV1/AV2
SECAM BELL
8.7V REG OUT
PAL ID FIL
MCU 5.7V VDD OUT
VIDEO OUT
S MUTE
SDA
SCL
X IN
X OUT
FILT
VDD (5.0V)
Vss
VIF IN2
VIF VCO
VIF VCO (5.0V)
SIF AGC
SIF IN
SIF AGC FIL
AUDIO OUT
AUDIO OUT (5.0V)
SIF VCO (5.0V)
SIF VCO FIL
SIF IN
SIF VCO OUT
SIF AGC OUT
SIF AGC FIL
SIF IN



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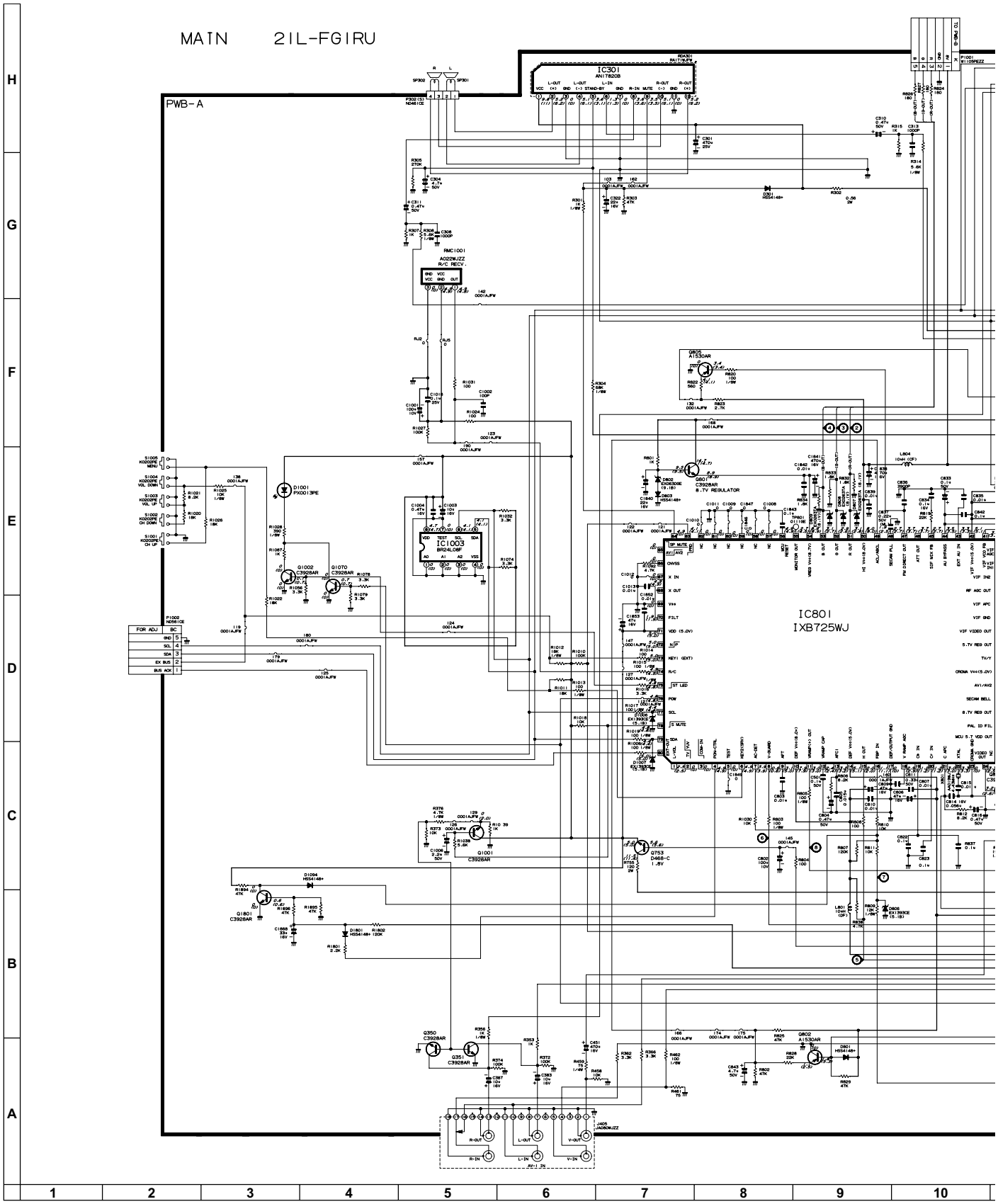
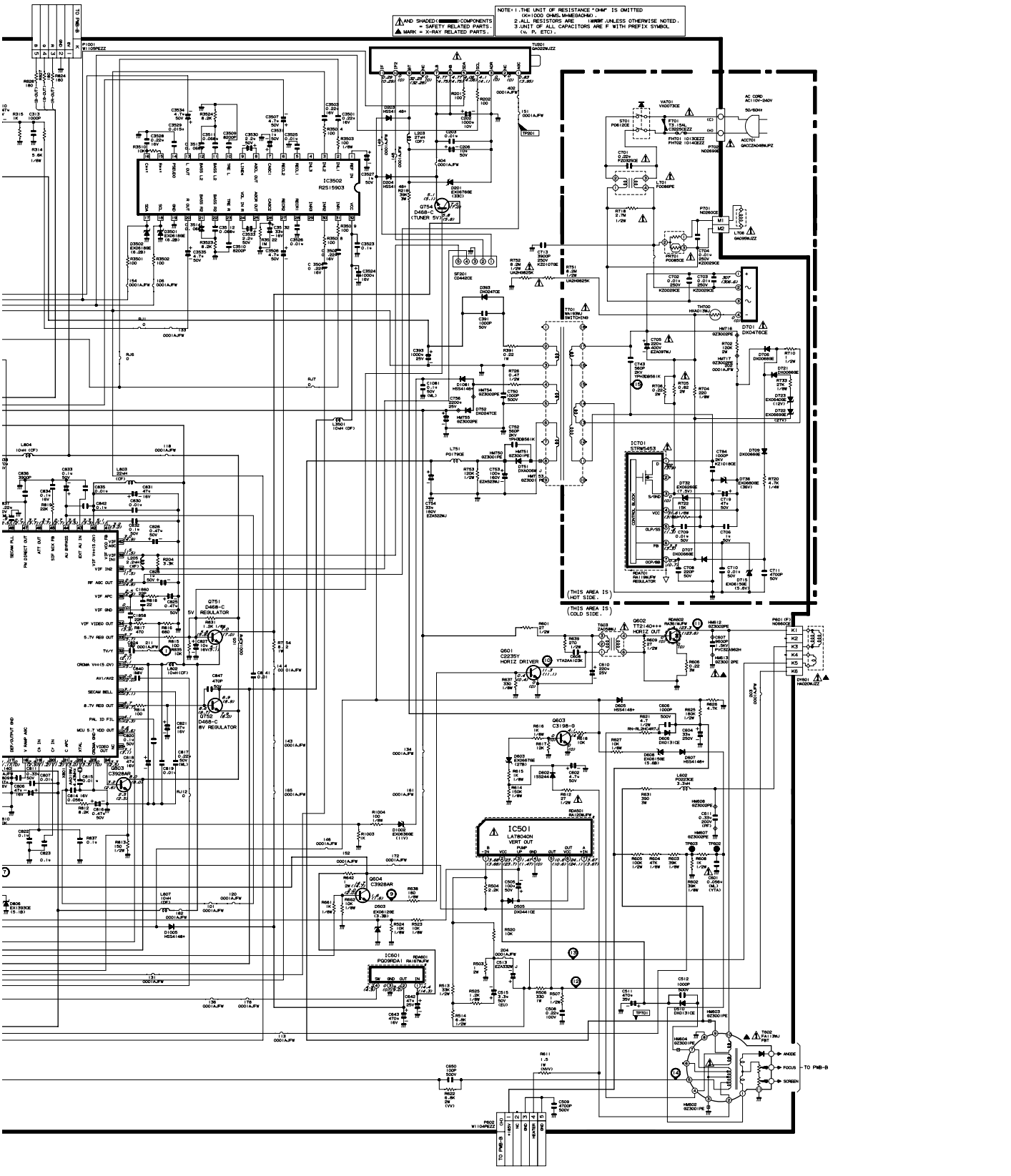
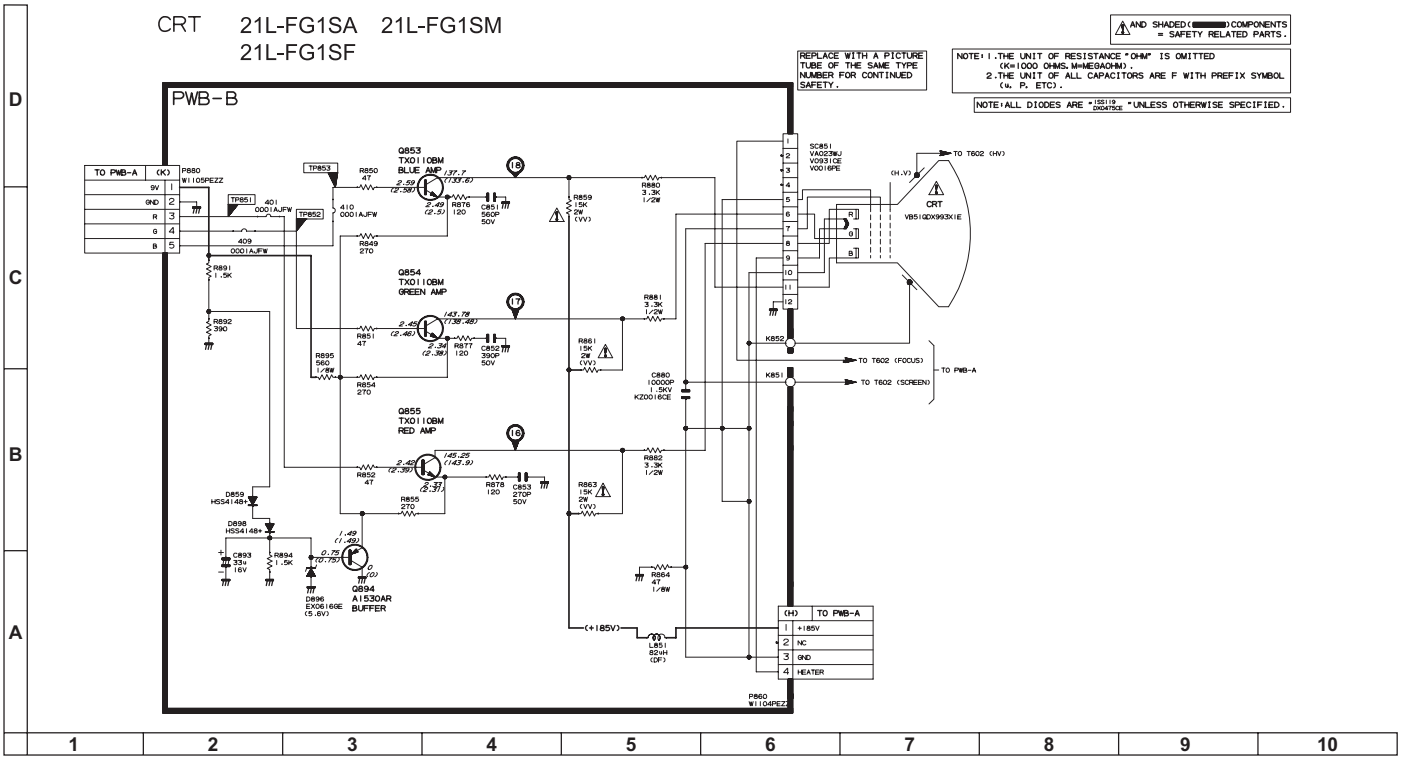
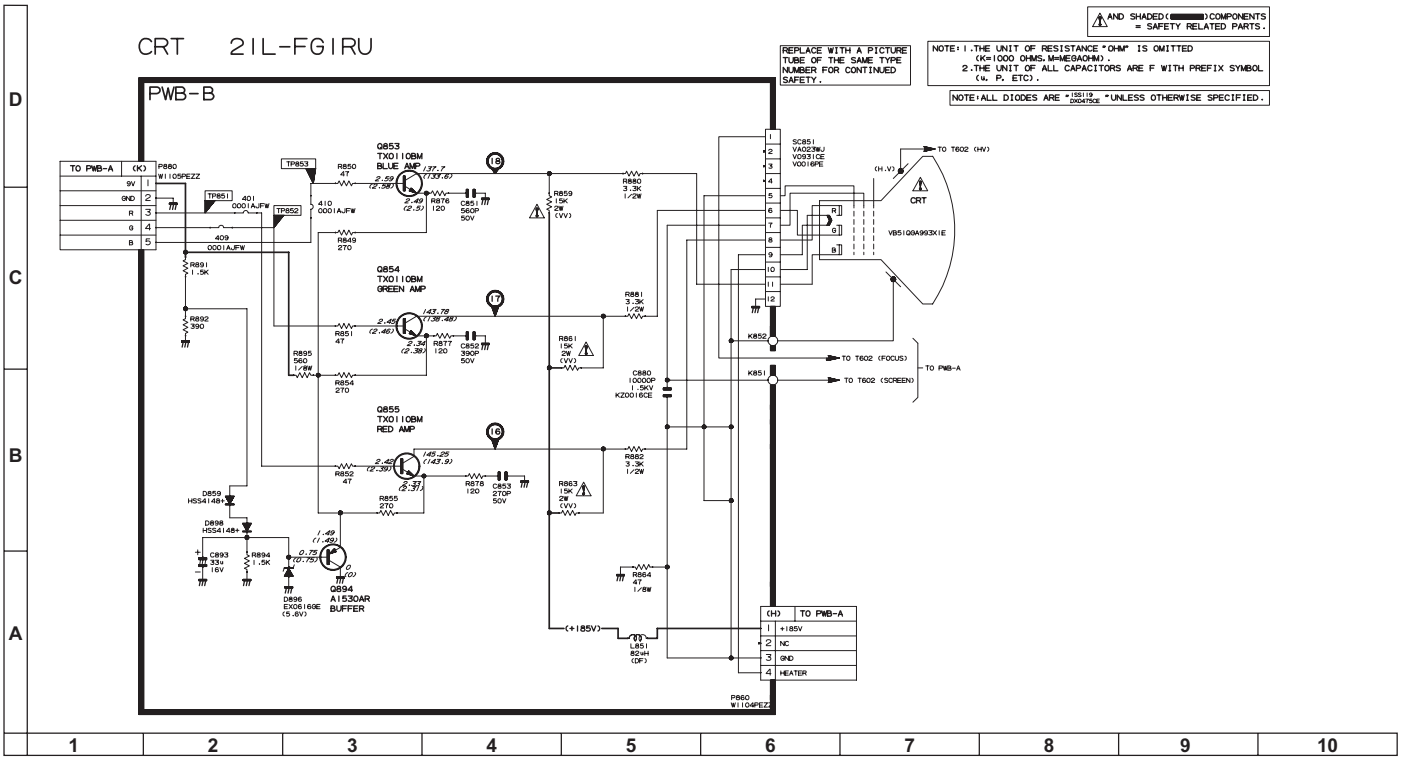

MAIN 21L-FG1RU
PWB-A
IC301
AN17502B
IC801
IXB725WJ
IC1003
BR24L08F
RMC1001
AC022WJZZ
R/C RECV.
Q801
C3928AR
8.7V REGULATOR
Q1001
C3928AR
Q1002
C3928AR
Q1070
C3928AR
Q1801
C3928AR
Q350
C3928AR
Q351
C3928AR
Q753
D468-C
1.8V
Q802
A1530AR
Q805
AT530AR
D1001
PXD013PE
D1094
HSS414B+
D1801
HSS414B+
D1802
HSS414B+
D2301
HSS414B+
D801
HSS414B+
J405
JACK06JZZ
R-OUT
L-OUT
V-OUT
R-IN
L-IN
V-IN
AV1 IN
P1001
W1105NEZZ
P1002
ND5012E
FOR ADJ
BC
GND
SCL
SDA
IDX BUS
BUS ACK
S1005
KQ002PE
MENU
S1004
KQ002PE
VOL DOWN
S1003
KQ002PE
VOL UP
S1002
KQ002PE
CH DOWN
S1001
KQ002PE
CH UP
SP302
SP301
SP303
IC MUTE
ST LED
S MUTE
SDA
SCL
KEY1 (EXT)
R/C
POW
CNVSS
X IN
X OUT
Vss
F1LT
VDD (5.0V)
RESET
MONITOR OUT
VIDEO Vcc(8.7V)
B OUT
G OUT
R OUT
H Vcc(5.0V)
SECAM FIL
PW DIRECT OUT
ATT OUT
SIF MIX FB
AU BYPASS
ADJ-NECL
EXT AU IN
VIF VCO FB
VIF AGC
VIF IN1
VIF IN2
RF AGC OUT
V1F APC
V1F GND
V1F VIDEO OUT
5.7V REG OUT
TV/Y
CHROMA Vcc(5.0V)
AV1/AV2
SECAM BELL
8.7V REG OUT
PAL SD FIL
MCU 5.7 VDD OUT
XTAL
TV/VC
CDM-IN
CDM-CTRL
TEST
HDTV(SCRN)
AC-DET
Y-GUARD
APT
DEF Vcc(8.0V)
VRAMP(+) OUT
VRAMP CAP
AFC1
DEF Vcc(5.0V)
H OUT
FBP IN
DEF/OUTPUT GND
V RAMP AGC
Ch IN
Cr IN
C APC
XTAL
DEF VCO OUT
NC
L801
10uH (CF)
L804
10uH (CF)
L805
10uH (CF)



10	11	12	13	14	15	16	17	18	19

[2] SCHEMATIC DIAGRAM: CRT UNIT

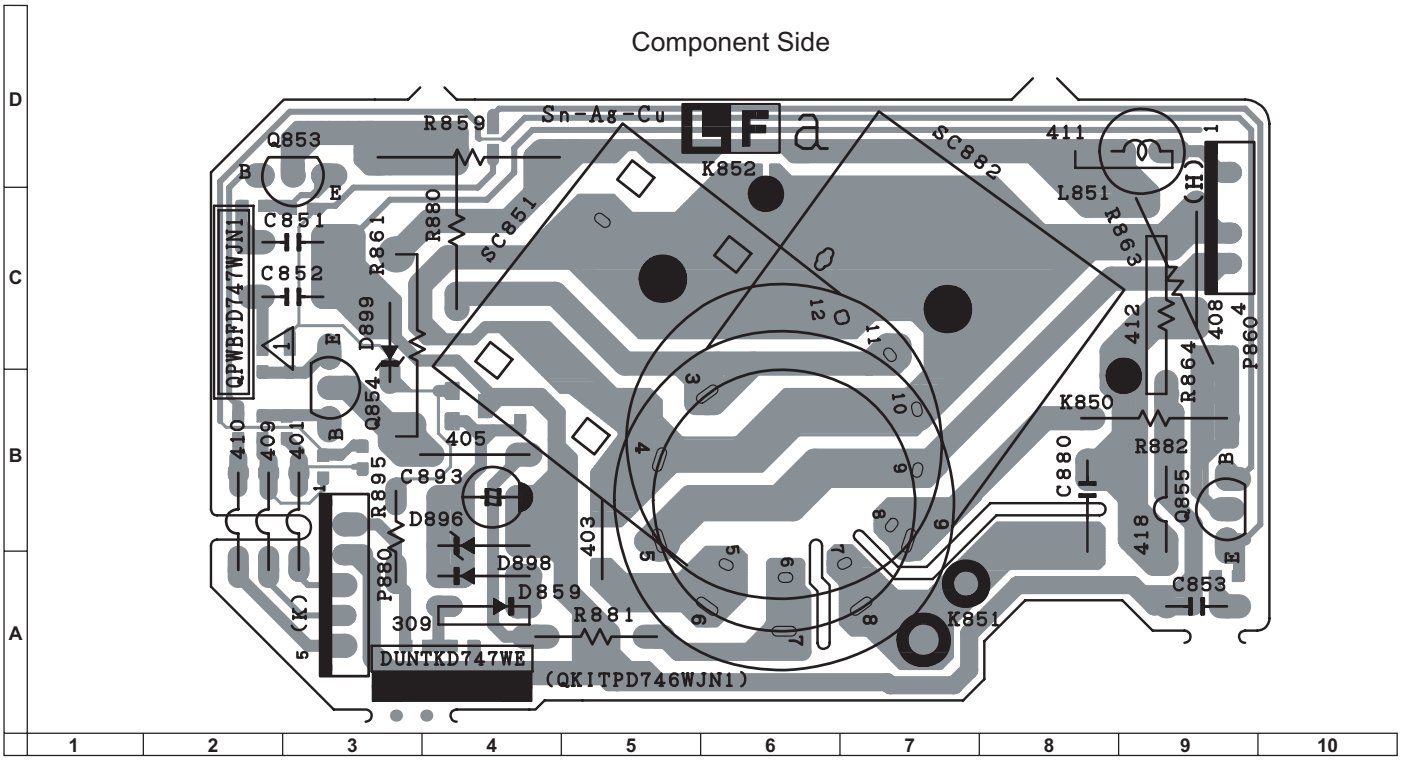

CRT 21L-FG1SA 21L-FG1SM
21L-FG1SF
PWB-B
REPLACE WITH A PICTURE TUBE OF THE SAME TYPE NUMBER FOR CONTINUED SAFETY.
NOTE: 1.THE UNIT OF RESISTANCE "OHM" IS OMITTED (K=1000 OHMS, M=MEGAOHM). 2.THE UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL (u, P, ETC).
NOTE: ALL DIODES ARE UNLESS OTHERWISE SPECIFIED.
AND SHADED COMPONENTS = SAFETY RELATED PARTS.
TO PWB-A
TO T602 (HV)
TO T602 (FOCUS)
TO T602 (SCREEN)
CRT
Q853 TX01108M BLUE AMP
Q854 TX01108M GREEN AMP
Q855 TX01108M RED AMP
Q894 A1530AR BUFFER
(+185V)
NC
GND
HEATER


CRT 21L-FG1RU
PWB-B
REPLACE WITH A PICTURE TUBE OF THE SAME TYPE NUMBER FOR CONTINUED SAFETY.
NOTE: 1.THE UNIT OF RESISTANCE "OHM" IS OMITTED (K=1000 OHMS, M=MEGAOHM). 2.THE UNIT OF ALL CAPACITORS ARE F WITH PREFIX SYMBOL (u, P, ETC).
NOTE: ALL DIODES ARE UNLESS OTHERWISE SPECIFIED.
AND SHADED COMPONENTS = SAFETY RELATED PARTS.
TO PWB-A
TO T602 (HV)
TO T602 (FOCUS)
TO T602 (SCREEN)
CRT
Q853 TX01108M BLUE AMP
Q854 TX01108M GREEN AMP
Q855 TX01108M RED AMP
Q894 A1530AR BUFFER
(+185V)
NC
GND
HEATER

CHAPTER 12. PRINTED WIRING BOARD ASSEMBLIES

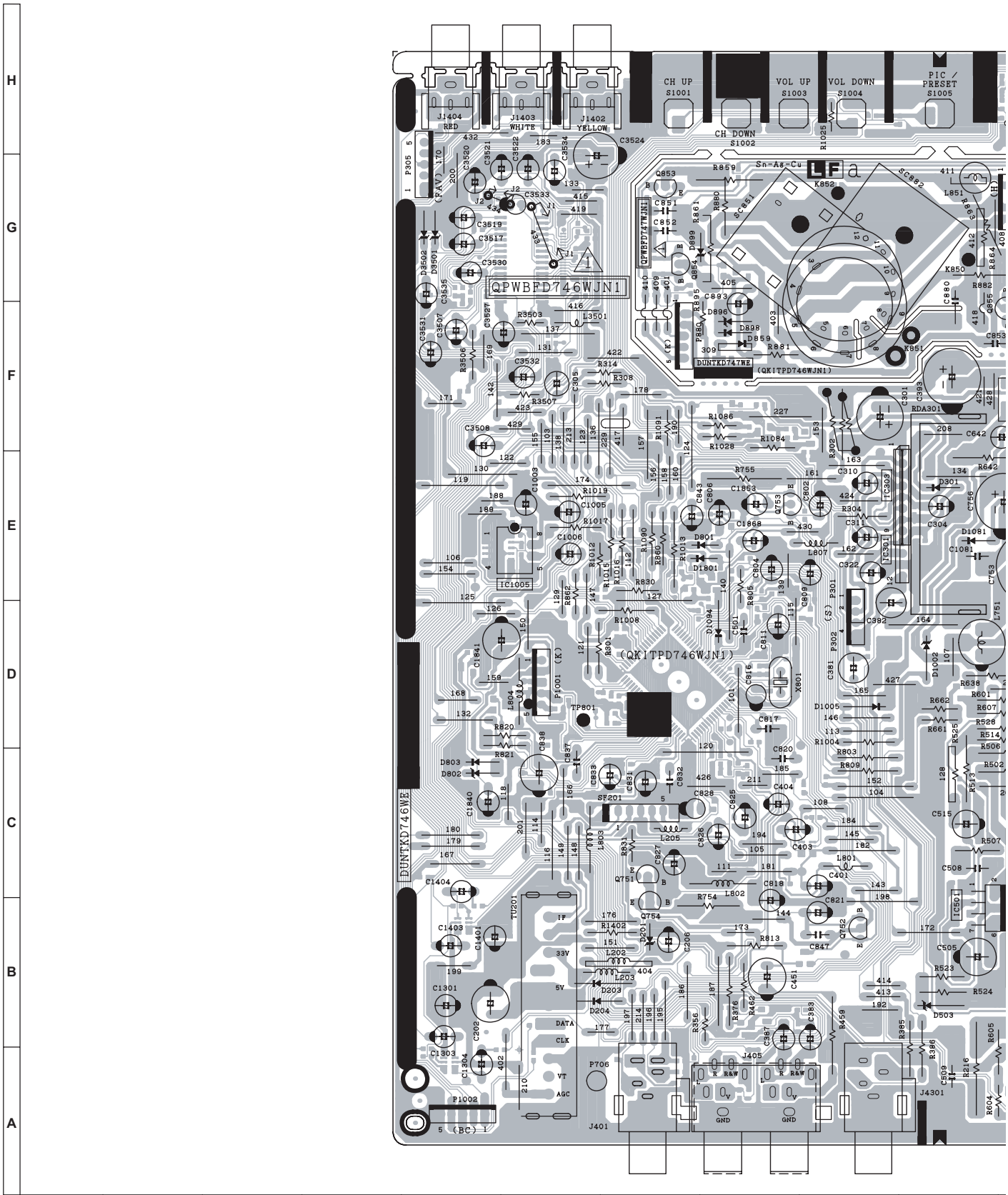
[1] PWB-B: CRT UNIT

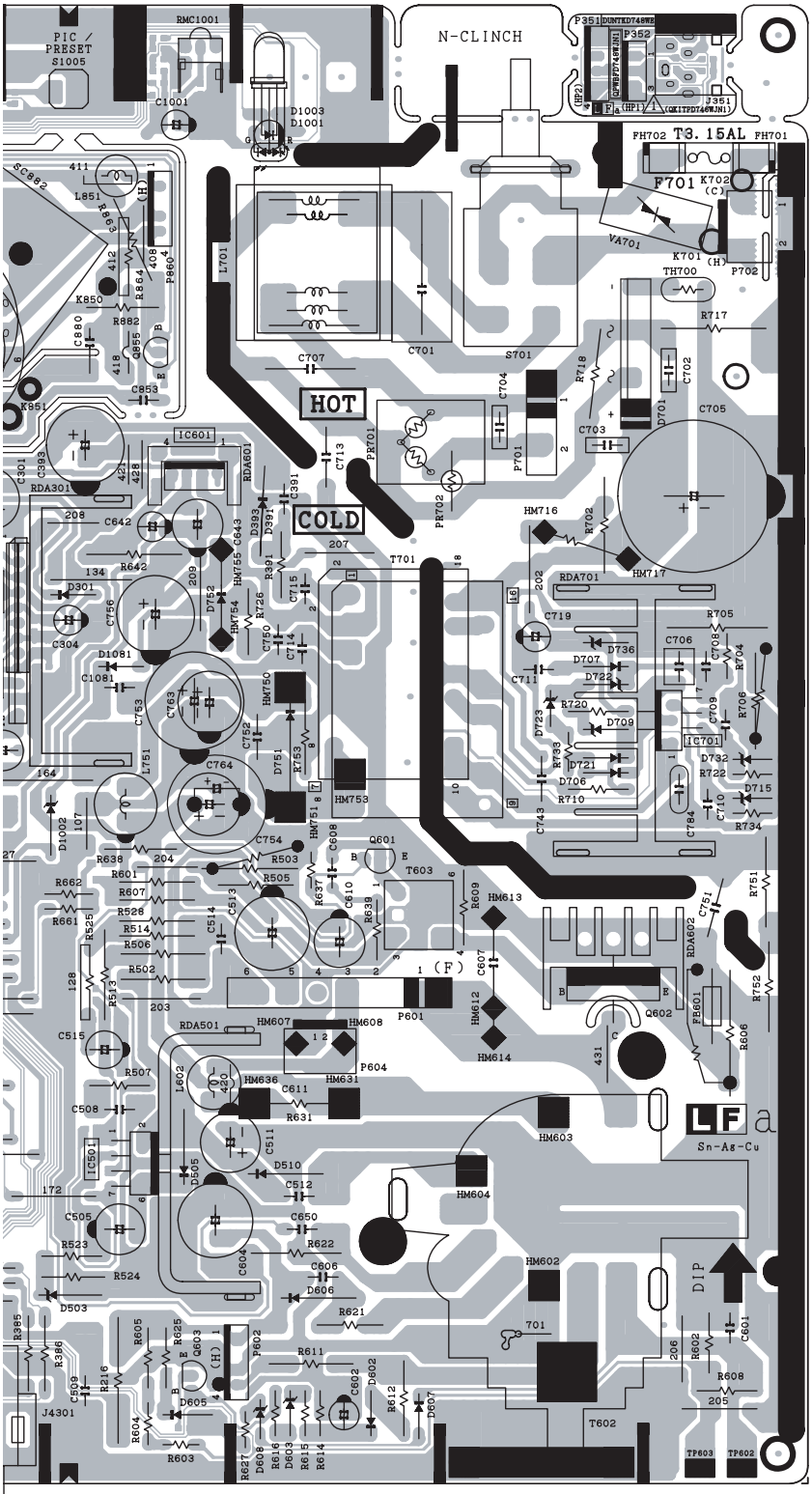
1. CRT UNIT (Component Side)



[2] PWB-A: MAIN UNIT

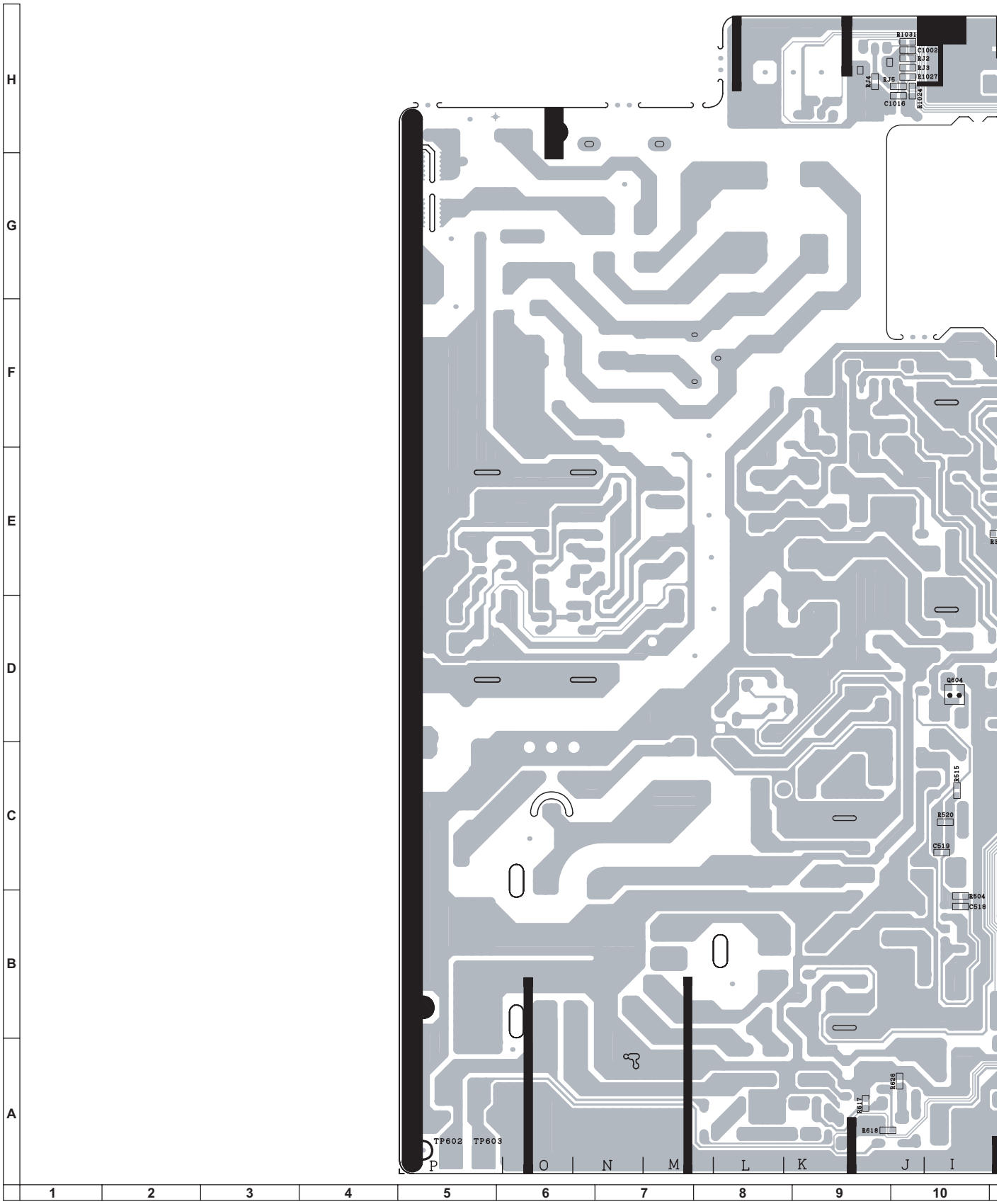
1. MAIN UNIT (Component Side)

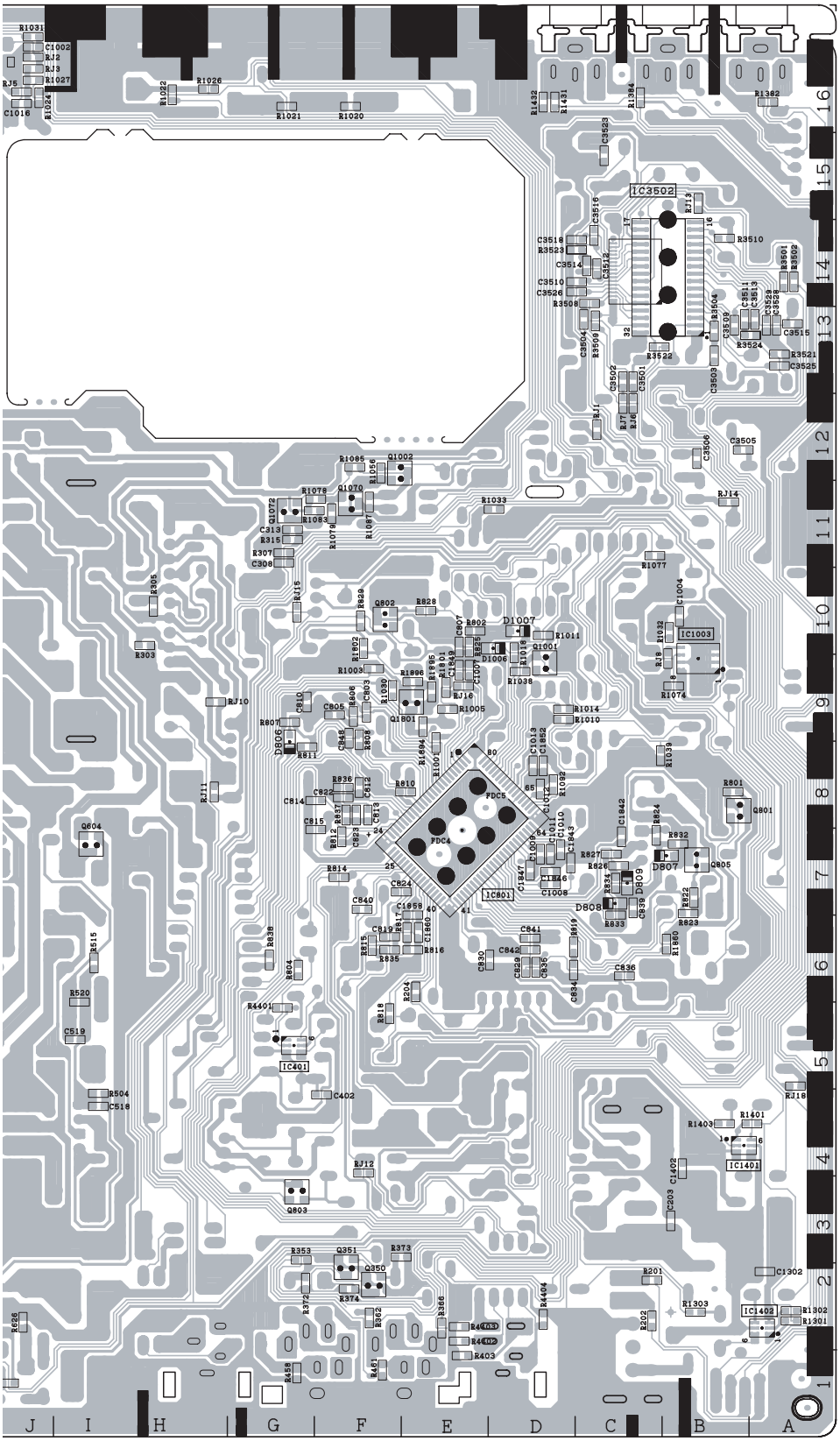




10	11	12	13	14	15	16	17	18	19

2. MAIN UNIT (Chip Parts Side)





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SHARP PARTS GUIDE

No. S551721LFG1SA

MODELS 21L-FG1SA
21L-FG1SF
21L-FG1SM
21L-FG1RU

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[3] MAIN UNIT

[4] CRT UNIT

[5] MISCELLANEOUS PARTS

[6] SUPPLIED ACCESSORIES

[7] CABINET PARTS

[8] PACKING PARTS

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[1] PICTURE TUBE					
⚠	-	VB51QGA993X1E			R	[Picture Tube]
⚠		RCiLGA112WJZZ			R	[Degaussing Coil]
		QEARCA012WJZZ	AG		R	[Ground-Part]
		PMAGF3046CEZZ	AF		R	[Magnet]
	[2] PRINTED WIRING BOARD ASSEMBLIES					
		DUNTKD746WEA0	−		−	[MAIN Unit (21L-FG1SA)]
		DUNTKD746WEA1	−		−	[MAIN Unit (21L-FG1SF)]
		DUNTKD746WEA5	−		−	[MAIN Unit (21L-FG1SM)]
		DUNTKD746WEA3	−		−	[MAIN Unit (21L-FG1RU)]
		DUNTKD747WEA0	−		−	[CRT Unit (21L-FG1SA)]
		DUNTKD747WEA1	−		−	[CRT Unit (21L-FG1SF)]
		DUNTKD747WEA5	−		−	[CRT Unit (21L-FG1SM)]
		DUNTKD747WEA3	−		−	[CRT Unit (21L-FG1RU)]
	[3] MAIN UNIT					
⚠	TU201	RTUNQA022WJZZ	AT		R	[Tuner]
	IC301	VHiAN17820B-1	AL		R	[I.C.]
⚠	IC501	VHiLA78040N-1	AE		R	[LA78040N-1]
	IC601	VHiPQ09RDA1-1	AF		R	[PQ090RDA1SZ]
⚠	IC701	VHiSTRW5453-1	AM		R	[I.C.]
	IC801	RH-iXB725WJN1			R	[I.C.]
	IC1003	VHiBR24L08F-1Y	AE		R	[BR24L08F-WE2]
	IC3502	VHiR2S15903-1Y	AL		R	[I.C.]
	Q350	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q351	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q601	VS2SC2235Y/1E+	AE		R	[2SC2235]
	Q602	VSTT2140+++-F	AG		R	[TT2140]
	Q603	VS2SC3198-G-1+	AA		R	[2SC3198]
	Q604	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q751	VS2SD468-C/-1+	AD		R	[2SD468]
	Q752	VS2SD468-C/-1+	AD		R	[2SD468]
	Q753	VS2SD468-C/-1+	AD		R	[2SD468]
	Q754	VS2SD468-C/-1+	AD		R	[2SD468]
	Q801	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q802	VS2SA1530AR-1Y	AB		R	[2SA1530AR]
	Q803	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q805	VS2SA1530AR-1Y	AB		R	[2SA1530AR]
	Q1001	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q1002	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q1070	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	Q1801	VS2SC3928AR-1Y	AB		R	[2SC3928AR]
	D201	RH-EX0676GEZZY	AA		R	[Zener Diode , 33V]
	D203	VHDHSS4148+-1Y	AA		R	[Diode]
	D204	VHDHSS4148+-1Y	AA		R	[Diode]
	D301	VHDHSS4148+-1Y	AA		R	[Diode]
	D393	RH-DX0247CEZZ	AE		R	[Diode, DX0247CE]
	D503	RH-EX0612GEZZY	AB		R	[Zener Diode , 5.1V]
	D505	RH-DX0441CEZZY	AC		R	[Diode, DX0441CE]
	D510	RH-DX0131CEZZY	AC		R	[Diode, DX0131CE]
	D602	VHD1SS244//-1Y	AB		R	[Diode ,1SS244]
	D603	RH-EX0667GEZZY	AA		R	[Zener Diode , 27V]
	D605	VHDHSS4148+-1Y	AA		R	[Diode]
	D606	RH-DX0131CEZZY	AC		R	[Diode, DX0131CE]
	D607	VHDHSS4148+-1Y	AA		R	[Diode]
	D608	RH-EX0615GEZZY	AA		R	[Zener Diode , 5.73V]
⚠	D701	RH-DX0476CEZZ	AG		R	[Diode, DX0476CE]
	D706	RH-DX0066GEZZY	AC		R	[Diode, DX0066GE]
	D707	RH-DX0066GEZZY	AC		R	[Diode, DX0066GE]
	D709	RH-DX0066GEZZY	AC		R	[Diode, DX0066GE]
	D715	RH-EX0615GEZZY	AA		R	[Zener Diode , 5.73V]
	D721	RH-DX0066GEZZY	AC		R	[Diode, DX0066GE]
	D722	RH-EX0669GEZZY	AB		R	[Zener Diode , 27.64V]
	D723	RH-EX0640GEZZY	AA		R	[Zener Diode , 12.03V]
	D732	RH-EX0626GEZZY	AB		R	[Zener Diode , 7.92V]
	D736	RH-EX0680GEZZY	AB		R	[Zener Diode , 34.49V]
	D751	RH-DXA006WJZZ	AD		R	[Diode, DXA006WJ]
	D752	RH-DX0247CEZZ	AE		R	[Diode, DX0247CE]
	D801	VHDHSS4148+-1Y	AA		R	[Diode]
	D802	RH-EX0630GEZZY	AA		R	[Zener Diode , 9.01V]
	D803	VHDHSS4148+-1Y	AA		R	[Diode]
	D806	RH-EX1393CEZZY	AB		R	[Zener Diode , 5.1V]
	D807	RH-EX0263TAZZY	AC		R	[Zener Diode , 8.36V]
	D808	RH-EX0263TAZZY	AC		R	[Zener Diode , 8.36V]
	D809	RH-EX0263TAZZY	AC		R	[Zener Diode , 8.36V]
	D1001	RH-PX0013PEZZ	AC		R	[Photodiode]
	D1002	RH-EX0636GEZZY	AC		R	[Zener Diode , 10.71V]
	D1005	VHDHSS4148+-1Y	AA		R	[Diode]
	D1006	RH-EX1393CEZZY	AB		R	[Zener Diode , 5.1V]
	D1007	RH-EX1393CEZZY	AB		R	[Zener Diode , 5.1V]
	D1081	VHDHSS4148+-1Y	AA		R	[Diode]
	D1094	VHDHSS4148+-1Y	AA		R	[Diode]
	D1801	VHDHSS4148+-1Y	AA		R	[Diode]
	D3501	RH-EX0618GEZZY	AB		R	[Zener Diode , 6.27V]

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT					
D3502	RH-EX0618GEZZY	AB		R	[Zener Diode , 6.27V]
VA701	RH-VX0073CEZZ	AD		R	[Varistor]
PR701	RMPTP0085CEZZ	AL		R	[Packaged Circuit]
X801	RCRSAA019WJZZ	AF		R	[Crystal]
L802	VP-CF100K0000Y	AB		R	[Peaking 10mH]
L203	VP-DF270K0000Y	AB		R	[Peaking 27mH]
L205	VP-XF2R2K0000Y	AB		R	[Peaking 2.2mH]
L602	RCiLP0223CEZZ+	AD		R	[Coil]
L701	RCiLFA187WJZZ	AD		R	[Coil]
L751	RCiLP0179CEZZ+	AD		R	[Coil]
L801	VP-DF100K0000Y	AB		R	[Peaking 10mH]
L803	VP-CF220K0000Y	AB		R	[Peaking 22mH]
L804	VP-CF100K0000Y	AB		R	[Peaking 10mH]
L807	VP-DF100K0000Y	AB		R	[Peaking 10mH]
L3501	VP-DF100K0000Y	AB		R	[Peaking 10mH]
SF201	RFiLC0442CEZZ	AL		R	[Filter]
T602	RTRNFA113WJZZ	AV		R	[H-Volt Transformer]
T603	RTRNZA058WJZZ	AD		R	[Transformer]
T701	RTRNWA193WJZZ			R	[Transformer]
C202	VCEA0A1AW108M+	AC		R	[1000 10V Electrolytic]
C203	VCKYCY1HF103ZY	AA		R	[0.01 50V Ceramic]
C206	VCEA0A1HW106M+	AB		R	[10 50V Electrolytic]
C301	VCEA0A1EW477M+	AD		R	[470 25V Electrolytic]
C304	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C308	VCKYCY1HB102KY	AA		R	[1000p 50V Ceramic]
C310	VCEA0A1HW474M+	AB		R	[0.47 50V Electrolytic]
C311	VCEA0A1HW474M+	AB		R	[0.47 50V Electrolytic]
C313	VCKYCY1HB102KY	AA		R	[1000p 50V Ceramic]
C322	VCEA0A1CW226M+	AB		R	[22 16V Electrolytic]
C383	VCEA0A1CW106M+	AB		R	[10 16V Electrolytic]
C387	VCEA0A1CW106M+	AB		R	[10 16V Electrolytic]
C391	VCKYPA1HB102K+	AA		R	[1000p 50V Ceramic]
C393	VCEA0A1EW108M+	AD		R	[1000 25V Electrolytic]
C451	VCEA0A1CW477M+	AC		R	[470 16V Electrolytic]
C501	VCQYTA1HM104J+	AB		R	[0.1 50V Mylar]
C505	VCEA0A1HW107M+	AB		R	[100 50V Electrolytic]
C508	VCFYAA2AA224J+	AD		R	[0.22 100V Mylar]
C509	VCKYPA2HB472K+	AB		R	[4700p 500V Ceramic (21L-FG1RU Only)]
C511	VCEA0A1VW477M+	AB		R	[470 35V Electrolytic]
C512	VCKYPA2HB102K+	AA		R	[1000p 500V Ceramic]
C513	RC-EZA332WJZZ+	AD		R	[Capacitor]
C515	VCEACA1HC335J+	AC		R	[3.3 50V Electrolytic]
C601	VCQYTA1HM563J+	AB		R	[0.056 50 Mylar]
C602	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C604	VCEA0A2EW336M+	AD		R	[33 250V Electrolytic]
C606	VCKYPA2HB102K+	AD		R	[1000p 500V Ceramic]
C607	VCFPVC3ZA962H	AD		R	[9.6 1.8KV Metalized Polypro Film]
C608	VCQYTA2AA103K+	AC		R	[0.01 100V Mylar]
C610	VCEA0A1EW227M+	AB		R	[220 25V Electrolytic]
C611	VCFPVC2DB334J	AD		R	[0.33 200V Metalized Polypro Film]
C642	VCEA0A1EW476M+	AB		R	[47 25V Electrolytic]
C643	VCEA0A1CW477M+	AC		R	[470 16V Electrolytic]
C650	VCKYPA2HB101K+	AB		R	[100p 500V Ceramic]
C701	RC-FZ031SCEZZ	AD		R	[0.1]
C702	RC-KZ0029CEZZ+	AC		R	[0.01 250V Ceramic]
C703	RC-KZ0029CEZZ+	AC		R	[0.01 250V Ceramic]
C704	RC-KZ0029CEZZ+	AC		R	[0.01 250V Ceramic]
C705	RC-EZA097WJZZ	AM		R	[220 400V Electrolytic]
C706	VCFYFA1HA105J+	AE		R	[1 50V Mylar]
C708	VCKYPA1HB221K+	AB		R	[220p 50V Ceramic]
C709	VCQYTA1HM103J+	AB		R	[0.01 50V Mylar]
C710	VCQYTA1HM103J+	AB		R	[0.01 50V Mylar]
C711	VCKYPA1HB472K+	AB		R	[4700p 50V Ceramic]
C713	RC-KZ0102GEZZ	AE		R	[680p 250V Ceramic]
C719	VCEA0A1HW476M+	AB		R	[47 50V Electrolytic]
C743	VCKYPH3DB561K	AC		R	[560p 2KV Ceramic]
C750	VCKYPA2HB102K+	AC		R	[1000p 500V Ceramic]
C752	VCKYPH3DB561K	AC		R	[560p 2KV Ceramic]
C753	RC-EZA523WJZZ	AD		R	[100 160V Electrolytic]
C754	RC-EZA522WJZZ	AD		R	[33 160V Electrolytic]
C756	VCEA0A1EW228M+	AE		R	[2200 25V Electrolytic]
C784	RC-KZ1018CEZZ+	AC		R	[1000p 2kV Ceramic]
C802	VCEA0A1AW107M+	AB		R	[100 10V Electrolytic]
C803	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C804	VCEA0A1HW474M+	AB		R	[0.47 50V Electrolytic]
C805	VCKYCY1HB153KY	AA		R	[0.15 50V Ceramic]
C806	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C807	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C809	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C810	VCKYCY1HF103ZY	AA		R	[0.01 50V Ceramic]
C811	VCFYFA1HA334J+	AD		R	[0.33 50V Mylar]
C814	VCKYCY1CB563KY	AB		R	[0.56 16V Ceramic]
C815	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C816	VCEA9M1HW474M+	AB		R	[0.47 50V Electrolytic]
C817	VCFYFA1HA224J+	AB		R	[0.22 50V Mylar]

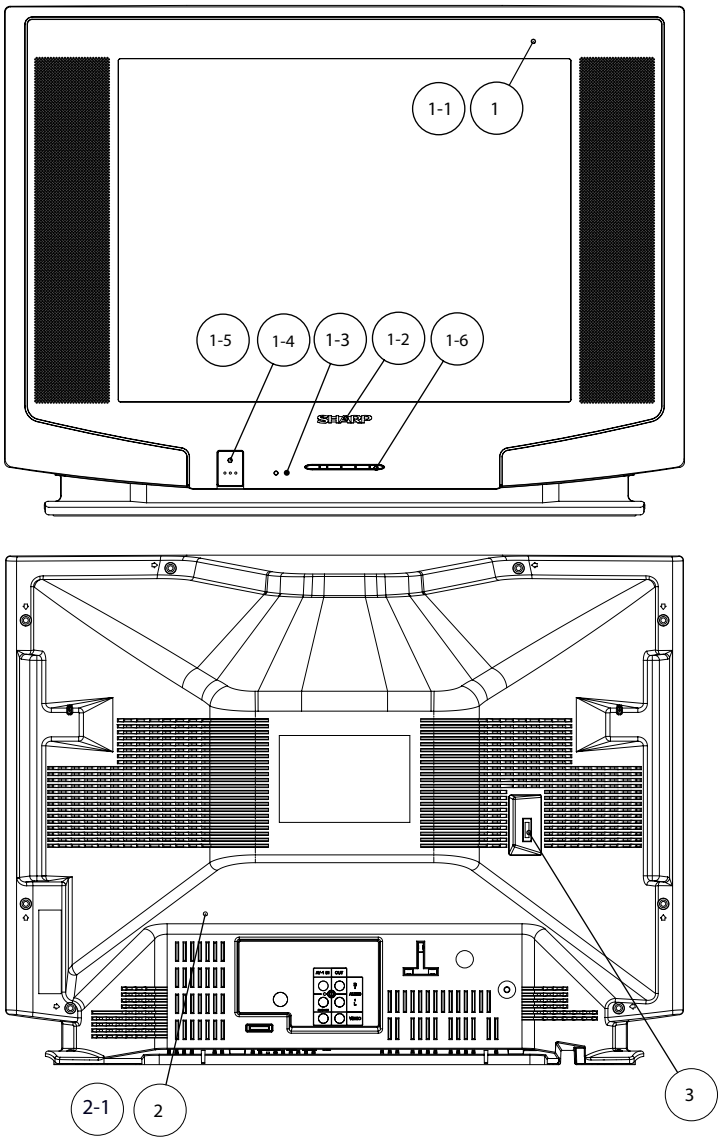
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT					
C818	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C819	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C820	VCFYFA1HA104J+	AA		R	[0.1 50V Mylar]
C821	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C822	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
C823	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
C824	VCKYCY1CF105ZY	AB		R	[1 16V Ceramic]
C825	VCEA0A1HW474M+	AB		R	[0.47 50V Electrolytic]
C826	VCEA0A1HW105M+	AB		R	[1 50V Electrolytic]
C827	VCEA0A1CW106M+	AB		R	[10 16V Electrolytic]
C828	VCEA9M1HW474M+	AB		R	[0.47 50V Electrolytic]
C830	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C831	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C832	VCFYFA1HA104J+	AA		R	[0.1 50V Mylar]
C833	VCEA0A1HW104M+	AB		R	[0.1 50V Electrolytic]
C834	VCKYCY1CF104ZY	AB		R	[0.1 16V Ceramic]
C835	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C836	VCKYCY1HB222KY	AA		R	[2200p 50V Ceramic]
C837	VCFYFA1HA224J+	AB		R	[0.22 50V Mylar]
C838	VCEA0A1CW477M+	AC		R	[470 16V Electrolytic]
C839	VCKYCY1HF103ZY	AA		R	[0.01 50V Ceramic]
C840	VCKYCY1CF105ZY	AB		R	[1 16V Ceramic]
C841	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C842	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
C843	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C847	VCKYPA1HB471K+	AA		R	[470p 50V Ceramic]
C851	VCKYPA1HB561K+	AA		R	[560p 50V Ceramic]
C852	VCKYPA1HB391K+	AA		R	[390p 50V Ceramic]
C853	VCKYPA1HB271K+	AA		R	[270p 50V Ceramic]
C880	RC-KZ0016CEZZ	AC		R	[10000p 1.5KV Ceramic]
C893	VCEA0A1CW336M+	AC		R	[33 16V Electrolytic]
C1001	VCEA0A1AW107M+	AB		R	[100 10V Electrolytic]
C1002	VCCCCY1HH101JY	AA		R	[100p 50V Ceramic]
C1003	VCEA0A1CW106M+	AB		R	[10 16V Electrolytic]
C1004	VCKYCY1CF474ZY	AB		R	[0.47 16V Ceramic]
C1006	VCEA0A1HW225M+	AB		R	[2.2 50V Electrolytic]
C1008	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1009	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1010	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1011	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1012	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1013	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C1016	VCKYCY1EF104ZY	AA		R	[0.1 25V Ceramic]
C1081	VCQYTA1HM104J+	AB		R	[0.1 50V Mylar]
C1840	VCEA0A1CW226M+	AC		R	[22 16V Electrolytic]
C1841	VCEA0A1CW477M+	AC		R	[470 16V Electrolytic]
C1842	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C1843	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
C1846	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1847	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1849	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
C1852	VCKYCY1HB103KY	AA		R	[0.01 50V Ceramic]
C1853	VCEA0A1CW476M+	AB		R	[47 16V Electrolytic]
C1858	VCCCCY1HH220JY	AA		R	[22p 50V Ceramic]
C1860	VCCCCY1HH220JY	AA		R	[22p 50V Ceramic]
C1868	VCEA0A1CW336M+	AB		R	[33 16V Electrolytic]
C3501	VCKYCY1CF224ZY	AB		R	[0.22 16V Ceramic]
C3502	VCKYCY1CF224ZY	AB		R	[0.22 16V Ceramic]
C3503	VCKYCY1CF224ZY	AB		R	[0.22 16V Ceramic]
C3504	VCKYCY1CF224ZY	AB		R	[0.22 16V Ceramic]
C3507	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C3508	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C3509	VCKYCY1HB822KY	AA		R	[8200p 50V Ceramic]
C3510	VCKYCY1HB822KY	AA		R	[8200p 50V Ceramic]
C3511	VCKYCY1CB683KY	AB		R	[0.68 16V Ceramic]
C3512	VCKYCY1CB683KY	AB		R	[0.68 16V Ceramic]
C3513	VCKYCY1CB683KY	AB		R	[0.68 16V Ceramic]
C3514	VCKYCY1CB683KY	AB		R	[0.68 16V Ceramic]
C3523	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
C3524	VCEA0A1CW108M+	AD		R	[1000 16V Electrolytic]
C3525	VCKYCY1HF103ZY	AA		R	[0.01 50V Ceramic]
C3526	VCKYCY1HF103ZY	AA		R	[0.01 50V Ceramic]
C3527	VCEA0A1HW105M+	AB		R	[1 50V Electrolytic]
C3528	VCKYCY1CF224ZY	AB		R	[0.22 16V Ceramic]
C3529	VCKYCY1HB153KY	AA		R	[0.15 50V Ceramic]
C3530	VCEA0A1HW225M+	AB		R	[2.2 50V Electrolytic]
C3531	VCEA0A1HW105M+	AB		R	[1 50V Electrolytic]
C3532	VCEA0A1CW336M+	AB		R	[33 16V Electrolytic]
C3533	VCEA9M1HW225M+	AB		R	[2.2 50V Electrolytic]
C3534	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
C3535	VCEA0A1HW475M+	AB		R	[4.7 50V Electrolytic]
RJ1	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ2	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ5	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ6	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT					
RJ7	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ8	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ12	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ13	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ15	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
RJ16	VRS-CY1JF000JY	AA		R	[0 1/16W Metal Oxide]
R201	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R202	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R204	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R216	VRS-RG3LB393J+	AC		R	[39K 3W Metal Oxide]
R301	VRD-RA2BE102JY	AA		R	[1K 1/8W Carbon]
R302	VRN-RL3DBR56J+	AB		R	[56 2W Metal Film]
R303	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R304	VRD-RA2BE683JY	AA		R	[68K 1/8W Carbon]
R305	VRS-CY1JF274JY	AA		R	[270K 1/16W Metal Oxide]
R307	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R308	VRD-RA2BE562JY	AA		R	[5.6K 1/8W Carbon]
R314	VRD-RA2BE562JY	AA		R	[5.6K 1/8W Carbon]
R315	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R353	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R356	VRD-RA2BE102JY	AA		R	[1K 1/8W Carbon]
R362	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R366	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R372	VRS-CY1JF104JY	AA		R	[100K 1/16W Metal Oxide]
R373	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R374	VRS-CY1JF104JY	AA		R	[100K 1/16W Metal Oxide]
R376	VRD-RA2BE472JY	AA		R	[4.7K 1/8W Carbon]
R391	VRN-RL3ABR22J+	AB		R	[22 1W Metal Film]
R458	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R459	VRD-RA2EE750JY	AA		R	[75 1/4W Carbon]
R461	VRS-CY1JF750JY	AA		R	[75 1/16W Metal Oxide]
R462	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R503	VRN-RL3DB1R0J+	AB		R	[1 2W Metal Film]
R504	VRS-CY1JF222JY	AA		R	[2.2K 1/16W Metal Oxide]
R506	VRS-RG3AB331J+	AB		R	[330 1W Metal Film]
R507	VRD-RM2HD1R0JY	AA		R	[1 1/2W Carbon]
R513	VRD-RM2HD333JY	AA		R	[33K 1/2W Carbon]
R514	VRD-RM2HD682JY	AA		R	[6.8K 1/2W Carbon]
R520	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R523	VRD-RA2BE103JY	AA		R	[10K 1/8W Carbon]
R524	VRD-RA2BE103JY	AA		R	[10K 1/8W Carbon]
R525	VRD-RA2BE122JY	AA		R	[1.2K 1/8W Carbon]
R601	VRD-RM2HD270JY	AA		R	[27 1/2W Carbon]
R602	VRD-RA2BE393JY	AA		R	[39K 1/8W Carbon]
R603	VRD-RA2BE393JY	AA		R	[39K 1/8W Carbon]
R604	VRD-RA2BE473JY	AA		R	[47K 1/8W Carbon]
R605	VRD-RM2HD104JY	AA		R	[100K 1/2W Carbon]
R606	VRN-RL3LBR22J+	AD		R	[22 3W Metal Oxide]
⚠ R608	VRD-RM2HD102JY	AA		R	[1K 1/2W Carbon]
R609	VRD-RM2HD270JY	AA		R	[27 1/2W Carbon]
⚠ R611	VRN-RL3AB1R5J+	AB		R	[1.5 1W Metal Film]
⚠ R612	VRD-RM2HD270JY	AA		R	[27 1/2W Carbon]
R614	VRD-RA2BE154JY	AA		R	[150K 1/8W Carbon]
R615	VRD-RA2BE102JY	AA		R	[1K 1/8W Carbon]
R616	VRD-RA2BE102JY	AA		R	[1K 1/8W Carbon]
R617	VRS-CY1JF123JY	AA		R	[12K 1/16W Metal Oxide]
R618	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R621	VRN-RL2HC4R7J+	AB		R	[4.7 1/2W Metal Oxide]
R622	VRS-VV3DB682J	AA		R	[6.8K 2W Metal Oxide]
R625	VRD-RM2HD184JY	AA		R	[180K 1/2W Carbon]
R626	VRS-CY1JF472JY	AA		R	[4.7K 1/16W Metal Oxide]
R627	VRD-RA2BE103JY	AA		R	[10K 1/8W Carbon]
R631	VRS-RG3LB391J+			R	[390 3W Metal Oxide]
R637	VRD-RA2BE331JY	AA		R	[330 1/8W Carbon]
R638	VRD-RA2BE181JY	AA		R	[180 1/8W Carbon]
R639	VRD-RM2HD271JY	AA		R	[270 1/2W Carbon]
R642	VRN-RL3DB1R0J+	AB		R	[1 2W Metal Film]
R661	VRD-RA2BE102JY	AA		R	[1K 1/8W Carbon]
R662	VRD-RA2BE103JY	AA		R	[10K 1/8W Carbon]
R702	VRS-VV3DB124J	AA		R	[120K 2W Metal Oxide]
R704	VRD-RA2BE221JY	AA		R	[220 1/8W Carbon]
R705	VRN-RL3DBR82J+	AB		R	[82 2W Metal Film]
R706	VRN-RL3DBR22J+	AB		R	[22 2W Metal Film]
R710	VRD-RM2HD1R0JY	AA		R	[1 1/2W Carbon]
R718	VRC-UA2HG275KY	AA		R	[2.7M 1/2W Solid (21L-FG1RU Only)]
R720	VRD-RA2EE472JY	AA		R	[4.7K 1/4W Carbon]
R722	VRD-RA2BE153JY	AA		R	[15K 1/8W Carbon]
R726	VRN-RL2HCR47J+	AB		R	[0.47 1/2W Metal Oxide]
R733	VRD-RA2BE273JY	AA		R	[27K 1/8W Carbon]
⚠ R751	VRC-UA2HG825KY	AA		R	[8.2M 1/2W Solid]
⚠ R752	VRC-UA2HG825KY	AA		R	[8.2M 1/2W Solid]
R753	VRD-RM2HD124JY	AA		R	[120K 1/2W Carbon]
R754	VRN-RL3AB8R2J+	AB		R	[8.2 1W Metal Film]
R755	VRS-RG3DB121J+	AB		R	[120 2W Metal Film]
R801	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT					
R802	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R803	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R804	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R805	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R806	VRS-CY1JF822JY	AA		R	[8.2K 1/16W Metal Oxide]
R807	VRS-CY1JF124JY	AA		R	[120K 1/16W Metal Oxide]
R808	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R809	VRD-RA2BE123JY	AA		R	[12K 1/8W Carbon]
R810	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R811	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R812	VRS-CY1JF822JY	AA		R	[8.2K 1/16W Metal Oxide]
R813	VRD-RM2HD151JY	AA		R	[150 1/2W Carbon]
R814	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R815	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R816	VRS-CY1JF681JY	AA		R	[680 1/16W Metal Oxide]
R817	VRS-CY1JF471JY	AA		R	[470 1/16W Metal Oxide]
R818	VRS-CY1JF220JY	AA		R	[22 1/16W Metal Oxide]
R819	VRS-CY1JF223JY	AA		R	[22K 1/16W Metal Oxide]
R820	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R822	VRS-CY1JF561JY	AA		R	[560 1/16W Metal Oxide]
R823	VRS-CY1JF272JY	AA		R	[2.7K 1/16W Metal Oxide]
R824	VRS-CY1JF181JY	AA		R	[180 1/16W Metal Oxide]
R825	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R826	VRS-CY1JF181JY	AA		R	[180 1/16W Metal Oxide]
R827	VRS-CY1JF181JY	AA		R	[180 1/16W Metal Oxide]
R828	VRS-CY1JF223JY	AA		R	[22K 1/16W Metal Oxide]
R829	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R831	VRD-RA2BE122JY	AA		R	[1.2K 1/8W Carbon]
R832	VRS-CY1JF182JY	AA		R	[1.8K 1/16W Metal Oxide]
R833	VRS-CY1JF182JY	AA		R	[1.8K 1/16W Metal Oxide]
R834	VRS-CY1JF182JY	AA		R	[1.8K 1/16W Metal Oxide]
R835	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R837	VCKYCY1HB104KY	AA		R	[0.1 50V Ceramic]
R838	VRS-CY1JF472JY	AA		R	[4.7K 1/16W Metal Oxide]
R1003	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R1004	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1008	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1010	VRS-CY1JF104JY	AA		R	[100K 1/16W Metal Oxide]
R1011	VRS-CY1JF183JY	AA		R	[18K 1/16W Metal Oxide]
R1012	VRD-RA2BE183JY	AA		R	[18K 1/8W Carbon]
R1013	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1014	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R1015	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1016	VRD-RA2BE332JY	AA		R	[3.3K 1/8W Carbon]
R1017	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1018	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R1019	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R1020	VRS-CY1JF183JY	AA		R	[18K 1/16W Metal Oxide]
R1021	VRS-CY1JF822JY	AA		R	[8.2K 1/16W Metal Oxide]
R1022	VRS-CY1JF183JY	AA		R	[18K 1/16W Metal Oxide]
R1024	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R1025	VRD-RA2BE103JY	AA		R	[10K 1/8W Carbon]
R1026	VRS-CY1JF183JY	AA		R	[18K 1/16W Metal Oxide]
R1027	VRS-CY1JF104JY	AA		R	[100K 1/16W Metal Oxide]
R1028	VRD-RA2BE391JY	AA		R	[390 1/8W Carbon]
R1030	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R1031	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R1032	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R1038	VRS-CY1JF562JY	AA		R	[5.6K 1/16W Metal Oxide]
R1039	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R1056	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R1074	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R1078	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R1079	VRS-CY1JF332JY	AA		R	[3.3K 1/16W Metal Oxide]
R1087	VRS-CY1JF102JY	AA		R	[1K 1/16W Metal Oxide]
R1092	VRS-CY1JF472JY	AA		R	[4.7K 1/16W Metal Oxide]
R1801	VRS-CY1JF222JY	AA		R	[2.2K 1/16W Metal Oxide]
R1802	VRS-CY1JF124JY	AA		R	[120K 1/16W Metal Oxide]
R1894	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R1895	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R1896	VRS-CY1JF473JY	AA		R	[47K 1/16W Metal Oxide]
R3501	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R3502	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R3503	VRD-RA2BE101JY	AA		R	[100 1/8W Carbon]
R3504	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R3508	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R3509	VRS-CY1JF101JY	AA		R	[100 1/16W Metal Oxide]
R3510	VRS-CY1JF103JY	AA		R	[10K 1/16W Metal Oxide]
R3522	VRS-CY1JF105JY	AA		R	[1M 1/16W Metal Oxide]
R3523	VRS-CY1JF822JY	AA		R	[8.2K 1/16W Metal Oxide]
R3524	VRS-CY1JF822JY	AA		R	[8.2K 1/16W Metal Oxide]
S701	QSW-P0612CEZZ	AG		R	[Switch , POWER]
S1001	QSW-K0202PEZZ+	AC		R	[Switch , CH UP]
S1002	QSW-K0202PEZZ+	AC		R	[Switch , CH DOWN]
S1003	QSW-K0202PEZZ+	AC		R	[Switch , VOL UP]

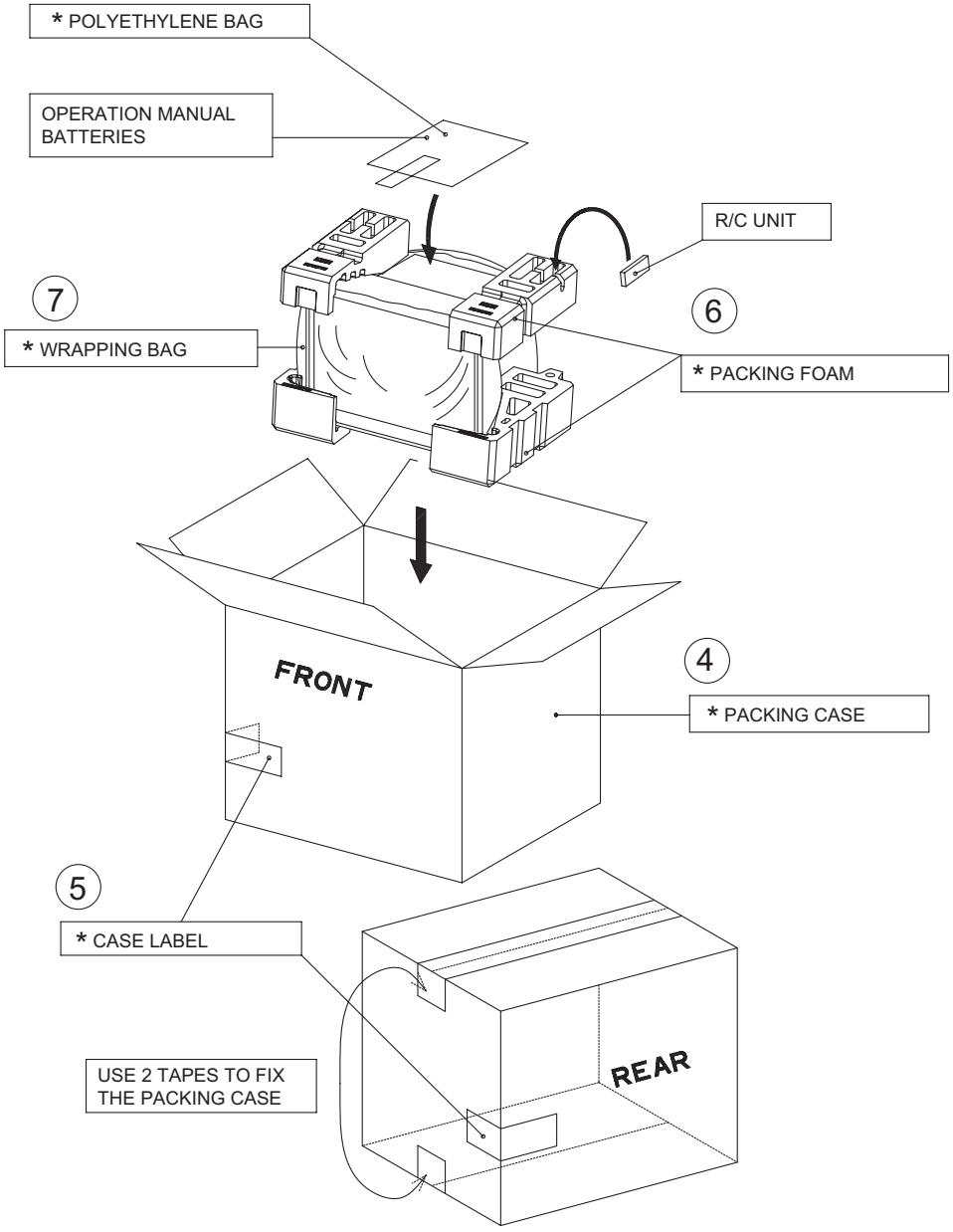
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] MAIN UNIT					
S1004	QSW-K0202PEZZ+	AC		R	[Switch , VOL DOWN]
S1005	QSW-K0202PEZZ+	AC		R	[Switch , MENU]
⚠ F701	QFS-C3225CEZZ	AC		R	[Fuse , 3.15A 250V]
FH701	QFSHD1013CEZZ+	AC		R	[Fuse Holder]
FH702	QFSHD1014CEZZ+	AC		R	[Fuse Holder]
J3	VW7UGB4-040AA			R	[Jumper Wire]
J4	VW7UGB8-080BB			R	[Jumper Wire (21L-FG1SM Only)]
J5	VW7UGB8-080BB			R	[Jumper Wire]
J405	QTANJA080WJZZ			R	[Jack]
P302	QPLGN0461CEZZA	AB		R	[Plug , 4Pin (S)]
P601	QPLGN0660CEZZ	AC		R	[Plug , 6Pin (F)]
P602	LHLDW1104PEZZ	AB		R	[Plug]
P701	QPLGN0260CEZZ	AC		R	[Plug ,2Pin (M)]
P702	QPLGN0269GEZZ	AB		R	[Plug ,2Pin]
P1001	LHLDW1105PEZZ	AB		R	[Plug]
P1002	QPLGN0561CEZZ	AB		R	[Plug , 5Pin (BC)]
RMC1001	RRMCUA022WJZZ	AG		R	[Remote Receiver]
RDA301	PRDARA171WJFW	AC		R	[Heat Sink for IC301]
RDA501	PRDARA120WJFW	AD		R	[Heat Sink for IC501]
RDA601	PRDARA167WJFW	AD		R	[Heat Sink for IC601]
RDA602	PRDARA361WJFW			R	[Heat Sink for Q602]
RDA701	PRDARA119WJFW	AF		R	[Heat Sink for IC701]
TP801	QLUGP0111GEFW	AA		R	[Lug]
[4] CRT UNIT					
Q853	RH-TX0110BMZZ+	AC		R	[TX0110]
Q854	RH-TX0110BMZZ+	AC		R	[TX0110]
Q855	RH-TX0110BMZZ+	AC		R	[TX0110]
Q894	VS2SA1530AR-1Y	AB		R	[2SA1530AR]
D859	VHDHSS4148+-1Y	AA		R	[Diode]
D896	RH-EX0616GEZZY	AA		R	[Zener Diode , 5.6V]
D898	VHDHSS4148+-1Y	AA		R	[Diode]
L851	VP-MK820K0000+	AB		R	[Peaking 82mH]
C851	VCKYPA1HB561K+	AA		R	[560p 50V Ceramic]
C852	VCKYPA1HB391K+	AA		R	[390p 50V Ceramic]
C853	VCKYPA1HB271K+	AB		R	[270p 50V Ceramic]
C880	RC-KZ0016CEZZ	AC		R	[10000p 1.5KV Ceramic]
C893	VCEA0A1CW336M+	AB		R	[33 16V Electrolytic]
R849	VRS-CY1JF271JY	AA		R	[270 1/16W Metal Oxide]
R850	VRS-CY1JF470JY	AA		R	[47 1/16W Metal Oxide]
R851	VRS-CY1JF470JY	AA		R	[47 1/16W Metal Oxide]
R852	VRS-CY1JF470JY	AA		R	[47 1/16W Metal Oxide]
R854	VRS-CY1JF271JY	AA		R	[270 1/16W Metal Oxide]
R855	VRS-CY1JF271JY	AA		R	[270 1/16W Metal Oxide]
⚠ R859	VRS-VV3DB153J	AA		R	[15K 12W Metal Oxide]
⚠ R861	VRS-VV3DB153J	AA		R	[15K 12W Metal Oxide]
⚠ R863	VRS-VV3DB153J	AA		R	[15K 12W Metal Oxide]
R864	VRD-RA2BE470JY	AA		R	[47 1/8W Carbon]
R876	VRS-CY1JF121JY	AA		R	[120 1/16W Metal Oxide]
R877	VRS-CY1JF121JY	AA		R	[120 1/16W Metal Oxide]
R878	VRS-CY1JF121JY	AA		R	[120 1/16W Metal Oxide]
R880	VRD-RM2HD332JY	AA		R	[3.3K 1/2W Carbon]
R881	VRD-RM2HD332JY	AA		R	[3.3K 1/2W Carbon]
R882	VRD-RM2HD332JY	AA		R	[3.3K 1/2W Carbon]
R891	VRS-CY1JF152JY	AA		R	[1.5K 1/16W Metal Oxide]
R892	VRS-CY1JF391JY	AA		R	[390 1/16W Metal Oxide]
R894	VRS-CY1JF152JY	AA		R	[1.5K 1/16W Metal Oxide]
R895	VRD-RA2BE561JY	AA		R	[560 1/8W Carbon]
P860	LHLDW1104PEZZ	AB		R	[Plug 4Pin (H)]
P880	LHLDW1105PEZZ	AB		R	[Plug 5Pin (K)]
SC851	QSOCVA023WJZZ	AE		R	[Socket , 12Pin]
[5] MISCELLANEOUS PARTS					
⚠ ACC701	QACCZA048WJPZ	AG		R	[AC Cord]
SP301	VSP9050PB53WA	AH		R	[SPEAKER 16 OHM]
	QCNW-E681WJPZ			R	[SP WIRE (+--+)]
	QCNW-A230WJZZ	AD		R	[H-WIRE]
	QCNW-A720WJZZ	AD		R	[K-WIRE]
[6] SUPPLIED ACCESSORIES					
	RRMCGA296WJSA	AN		R	[Infrared Remote Control Unit]
	TINS-C257WJZZ	-		R	[Operation Manual E/AR (21L-FG1SA , 21L-FG1SM)]
	TINS-C258WJZZ	-		R	[Operation Manual C(S)/M (21L-FG1SA , 21L-FG1SM)]
	TINS-C259WJZZ	-		R	[Operation Manual FR (21L-FG1SA)]
	TINS-C260WJZZ	-		R	[Operation Manual E/AR (21L-FG1SF)]
	TINS-C261WJZZ	-		R	[Operation Manual F/RU (21L-FG1SF)]
	TINS-C411WJZZ	-		R	[Operation Manual (21L-FG1RU)]
	TGAN-A101WJZZ	AC		R	[Warranty Card (21L-FG1ru)]
	UBATUA004WJZZ	-		R	[Battery]

[7] CABINET PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[7] CABINET PARTS					
1	CCABAB298WEV0	−		R	[Front Cabinet Ass'y (21L-FG1SA)]
	CCABAB299WEV0	−		R	[Front Cabinet Ass'y (21L-FG1SF)]
	CCABAB300WEV0	−		R	[Front Cabinet Ass'y (21L-FG1RU)]
	CCABAB402WEV0	−		R	[Front Cabinet Ass'y (21L-FG1SM)]
1-1	Not Available	−		−	[Front Cabinet]
1-2	HBDGB3155CESA	AF		R	[Sharp Badge]
1-3	GCOVAB580WJSA	−		R	[RC/LED Cover]
1-4	JBTN-A551WJSA	−		R	[Power Button]
1-5	MSPRCA067WJFW	AB		R	[Power Button Spring]
1-6	JBTN-A552WJSA	−		R	[Control Button]
2	CCABBA755WEV0	−		R	[Rear Cabinet Ass'y (21L-FG1SA , 21L-FG1SF , 21L-FG1RU)]
	CCABBA839WEV0	−		R	[Rear Cabinet Ass'y (21L-FG1SM)]
2-1	Not Available	−		−	[Rear Cabinet]
3	LHLDWA101WJZZ	AD		R	[AC Cord Hook]

[8] PACKING PARTS



MARK * : NON REPLACEMENT ITEMS

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[8] PACKING PARTS					
4	SPAKCC485WJZZ	–		–	[Packing Case (21L-FG1SA , 21L-FG1SF , 21L-FGSM)]
	SPAKCC486WJZZ	–		–	[Packing Case (21L-FG1RU)]
5	TLABZB123WJZZ	–		–	[Case Label (21L-FG1SA)]
	TLABZB124WJZZ	–		–	[Case Label (21L-FG1SF)]
	TLABZB206WJZZ	–		–	[Case Label (21L-FG1RU)]
	TLABZB193WJZZ	–		–	[Case Label (21L-FG1SM)]
6	SPAKXB002WJZZ	–		–	[Packing Foam (21L-FG1SA , 21L-FG1SF , 21L-FG1RU)]
7	SSAKH0016PEZZ	–		–	[Wrapping Bag (21L-FG1SA , 21L-FG1SF , 21L-FG1RU)]

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABAB298WEV0	7-1	-		R
CCABAB299WEV0	7-	-		R
CCABAB300WEV0	7-	-		R
CCABAB402WEV0	7-	-		R
CCABBA755WEV0	7-2	-		R
CCABBA839WEV0	7-	-		R
【 D 】				
DUNTKD746WEA0	2-	-		-
DUNTKD746WEA1	2-	-		-
DUNTKD746WEA3	2-	-		-
DUNTKD746WEA5	2-	-		-
DUNTKD747WEA0	2-	-		-
DUNTKD747WEA1	2-	-		-
DUNTKD747WEA3	2-	-		-
DUNTKD747WEA5	2-	-		-
【 G 】				
GCOVAB580WJSA	7-3-Jan	-		R
【 H 】				
HBDGB3155CESA	7-2-Jan	AF		R
【 J 】				
JBTN-A551WJSA	7-4-Jan	-		R
JBTN-A552WJSA	7-6-Jan	-		R
【 L 】				
LHLDW1104PEZZ	3-P602	AB		R
〃	4-P860	AB		R
LHLDW1105PEZZ	3-P1001	AB		R
〃	4-P880	AB		R
LHLDWA101WJZZ	7-3	AD		R
【 M 】				
MSPRCA067WJFW	7-5-Jan	AB		R
【 N 】				
Not Available	7-1-Feb	-		-
〃	7-1-Jan	-		-
【 P 】				
PMAGF3046CEZZ	1-	AF		R
PRDARA119WJFW	3-RDA701	AF		R
PRDARA120WJFW	3-RDA501	AD		R
PRDARA167WJFW	3-RDA601	AD		R
PRDARA171WJFW	3-RDA301	AC		R
PRDARA361WJFW	3-RDA602			R
【 Q 】				
QACCZA048WJPZ	5-ACC701	AG		R
QCNW-A230WJZZ	5-	AD		R
QCNW-A720WJZZ	5-	AD		R
QCNW-E681WJPZ	5-			R
QEARCA012WJZZ	1-	AG		R
QFS-C3225CEZZ	3-F701	AC		R
QFSHD1013CEZZ+	3-FH701	AC		R
QFSHD1014CEZZ+	3-FH702	AC		R
QLUGP0111GEFW	3-TP801	AA		R
QPLGN0260CEZZ	3-P701	AC		R
QPLGN0269GEZZ	3-P702	AB		R
QPLGN0461CEZZA	3-P302	AB		R
QPLGN0561CEZZ	3-P1002	AB		R
QPLGN0660CEZZ	3-P601	AC		R
QSOCVA023WJZZ	4-SC851	AE		R
QSW-K0202PEZZ+	3-S1001	AC		R
〃	3-S1002	AC		R
〃	3-S1003	AC		R
〃	3-S1004	AC		R
〃	3-S1005	AC		R
QSW-P0612CEZZ	3-S701	AG		R
QTANJA080WJZZ	3-J405			R
【 R 】				
RC-EZA097WJZZ	3-C705	AM		R
RC-EZA332WJZZ+	3-C513	AD		R
RC-EZA522WJZZ	3-C754	AD		R
RC-EZA523WJZZ	3-C753	AD		R
RC-FZ031SCEZZ	3-C701	AD		R
RCiLFA187WJZZ	3-L701	AD		R
RCiLGA112WJZZ	1-			R
RCiLP0179CEZZ+	3-L751	AD		R
RCiLP0223CEZZ+	3-L602	AD		R
RC-KZ0016CEZZ	3-C880	AC		R
〃	4-C880	AC		R
RC-KZ0029CEZZ+	3-C702	AC		R
〃	3-C703	AC		R
〃	3-C704	AC		R
RC-KZ0102GEZZ	3-C713	AE		R
RC-KZ1018CEZZ+	3-C784	AC		R
RCRSAA019WJZZ	3-X801	AF		R
RFiLC0442CEZZ	3-SF201	AL		R
RH-DX0066GEZZY	3-D706	AC		R
〃	3-D707	AC		R
〃	3-D709	AC		R
〃	3-D721	AC		R
RH-DX0131CEZZY	3-D510	AC		R
〃	3-D606	AC		R
RH-DX0247CEZZ	3-D393	AE		R
〃	3-D752	AE		R
RH-DX0441CEZZY	3-D505	AC		R
RH-DX0476CEZZ	3-D701	AG		R
RH-DXA006WJZZ	3-D751	AD		R
RH-EX0263TAZZY	3-D807	AC		R
〃	3-D808	AC		R
〃	3-D809	AC		R
RH-EX0612GEZZY	3-D503	AB		R
RH-EX0615GEZZY	3-D608	AA		R
〃	3-D715	AA		R
RH-EX0616GEZZY	4-D896	AA		R
RH-EX0618GEZZY	3-D3501	AB		R
〃	3-D3502	AB		R
RH-EX0626GEZZY	3-D732	AB		R
RH-EX0630GEZZY	3-D802	AA		R
RH-EX0636GEZZY	3-D1002	AC		R
RH-EX0640GEZZY	3-D723	AA		R
RH-EX0667GEZZY	3-D603	AA		R
RH-EX0669GEZZY	3-D722	AB		R
RH-EX0676GEZZY	3-D201	AA		R
RH-EX0680GEZZY	3-D736	AB		R
RH-EX1393CEZZY	3-D806	AB		R
〃	3-D1006	AB		R
〃	3-D1007	AB		R
RH-iXB725WJN1	3-iC801			R
RH-PX0013PEZZ	3-D1001	AC		R
RH-TX0110BMZZ+	4-Q853	AC		R
〃	4-Q854	AC		R
〃	4-Q855	AC		R
RH-VX0073CEZZ	3-VA701	AD		R
RMPTP0085CEZZ	3-PR701	AL		R
RRMCGA296WJSA	6-	AN		R
RRMCUA022WJZZ	3-RMC1001	AG		R
RTRNFA113WJZZ	3-T602	AV		R
RTRNWA193WJZZ	3-T701			R
RTRNZA058WJZZ	3-T603	AD		R
RTUNQA022WJZZ	3-TU201	AT		R
【 S 】				
SPAKCC485WJZZ	8-4	-		-
SPAKCC486WJZZ	8-	-		-
SPAKXB002WJZZ	8-6	-		-
SSAKH0016PEZZ	8-7	-		-
【 T 】				
TGAN-A101WJZZ	6-	AC		R
TiNS-C257WJZZ	6-	-		R
TiNS-C258WJZZ	6-	-		R
TiNS-C259WJZZ	6-	-		R
TiNS-C260WJZZ	6-	-		R
TiNS-C261WJZZ	6-	-		R
TiNS-C411WJZZ	6-	-		R
TLABZB123WJZZ	8-5	-		-
TLABZB124WJZZ	8-	-		-
TLABZB193WJZZ	8-	-		-
TLABZB206WJZZ	8-	-		-
【 U 】				
UBATUA004WJZZ	6-	-		R
【 V 】				
VB51QGA993X1E	1--			R
VCCCCY1HH101JY	3-C1002	AA		R
VCCCCY1HH220JY	3-C1858	AA		R
〃	3-C1860	AA		R
VCEA0A1AW107M+	3-C802	AB		R
〃	3-C1001	AB		R
VCEA0A1AW108M+	3-C202	AC		R
VCEA0A1CW106M+	3-C383	AB		R
〃	3-C387	AB		R
〃	3-C827	AB		R
〃	3-C1003	AB		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCEA0A1CW108M+	3-C3524	AD		R
VCEA0A1CW226M+	3-C322	AB		R
〃	3-C1840	AC		R
VCEA0A1CW336M+	3-C893	AC		R
〃	3-C1868	AB		R
〃	3-C3532	AB		R
〃	4-C893	AB		R
VCEA0A1CW476M+	3-C806	AB		R
〃	3-C809	AB		R
〃	3-C818	AB		R
〃	3-C821	AB		R
〃	3-C831	AB		R
〃	3-C1853	AB		R
VCEA0A1CW477M+	3-C451	AC		R
〃	3-C643	AC		R
〃	3-C838	AC		R
〃	3-C1841	AC		R
VCEA0A1EW108M+	3-C393	AD		R
VCEA0A1EW227M+	3-C610	AB		R
VCEA0A1EW228M+	3-C756	AE		R
VCEA0A1EW476M+	3-C642	AB		R
VCEA0A1EW477M+	3-C301	AD		R
VCEA0A1HW104M+	3-C833	AB		R
VCEA0A1HW105M+	3-C826	AB		R
〃	3-C3527	AB		R
〃	3-C3531	AB		R
VCEA0A1HW106M+	3-C206	AB		R
VCEA0A1HW107M+	3-C505	AB		R
VCEA0A1HW225M+	3-C1006	AB		R
〃	3-C3530	AB		R
VCEA0A1HW474M+	3-C310	AB		R
〃	3-C311	AB		R
〃	3-C804	AB		R
〃	3-C825	AB		R
VCEA0A1HW475M+	3-C304	AB		R
〃	3-C602	AB		R
〃	3-C843	AB		R
〃	3-C3507	AB		R
〃	3-C3508	AB		R
〃	3-C3534	AB		R
〃	3-C3535	AB		R
VCEA0A1HW476M+	3-C719	AB		R
VCEA0A1VW477M+	3-C511	AB		R
VCEA0A2EW336M+	3-C604	AD		R
VCEA9M1HW225M+	3-C3533	AB		R
VCEA9M1HW474M+	3-C816	AB		R
〃	3-C828	AB		R
VCEACA1HC335J+	3-C515	AC		R
VCFPVC2DB334J	3-C611	AD		R
VCFPVC3ZA962H	3-C607	AD		R
VCFYAA2AA224J+	3-C508	AD		R
VCFYFA1HA104J+	3-C820	AA		R
〃	3-C832	AA		R
VCFYFA1HA105J+	3-C706	AE		R
VCFYFA1HA224J+	3-C817	AB		R
〃	3-C837	AB		R
VCFYFA1HA334J+	3-C811	AD		R
VCKYCY1CB563KY	3-C814	AB		R
VCKYCY1CB683KY	3-C3511	AB		R
〃	3-C3512	AB		R
〃	3-C3513	AB		R
〃	3-C3514	AB		R
VCKYCY1CF104ZY	3-C834	AB		R
VCKYCY1CF105ZY	3-C824	AB		R
〃	3-C840	AB		R
VCKYCY1CF224ZY	3-C3501	AB		R
〃	3-C3502	AB		R
〃	3-C3503	AB		R
〃	3-C3504	AB		R
〃	3-C3528	AB		R
VCKYCY1CF474ZY	3-C1004	AB		R
VCKYCY1EF104ZY	3-C1016	AA		R
VCKYCY1HB102KY	3-C308	AA		R
〃	3-C313	AA		R
VCKYCY1HB103KY	3-C803	AA		R
〃	3-C807	AA		R
〃	3-C815	AA		R
〃	3-C819	AA		R
〃	3-C830	AA		R
〃	3-C835	AA		R
〃	3-C841	AA		R
〃	3-C1013	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-C1842	AA		R
〃	3-C1852	AA		R
VCKYCY1HB104KY	3-C822	AA		R
〃	3-C823	AA		R
〃	3-C842	AA		R
〃	3-R837	AA		R
〃	3-C1843	AA		R
〃	3-C3523	AA		R
VCKYCY1HB153KY	3-C805	AA		R
〃	3-C3529	AA		R
VCKYCY1HB222KY	3-C836	AA		R
VCKYCY1HB822KY	3-C3509	AA		R
〃	3-C3510	AA		R
VCKYCY1HF103ZY	3-C203	AA		R
〃	3-C810	AA		R
〃	3-C839	AA		R
〃	3-C3525	AA		R
〃	3-C3526	AA		R
VCKYPA1HB102K+	3-C391	AA		R
VCKYPA1HB221K+	3-C708	AB		R
VCKYPA1HB271K+	3-C853	AA		R
〃	4-C853	AB		R
VCKYPA1HB391K+	3-C852	AA		R
〃	4-C852	AA		R
VCKYPA1HB471K+	3-C847	AA		R
VCKYPA1HB472K+	3-C711	AB		R
VCKYPA1HB561K+	3-C851	AA		R
〃	4-C851	AA		R
VCKYPA2HB101K+	3-C650	AB		R
VCKYPA2HB102K+	3-C512	AA		R
〃	3-C606	AD		R
〃	3-C750	AC		R
VCKYPA2HB472K+	3-C509	AB		R
VCKYPH3DB561K	3-C743	AC		R
〃	3-C752	AC		R
VCQYTA1HM103J+	3-C709	AB		R
〃	3-C710	AB		R
VCQYTA1HM104J+	3-C501	AB		R
〃	3-C1081	AB		R
VCQYTA1HM563J+	3-C601	AB		R
VCQYTA2AA103K+	3-C608	AC		R
VHD1SS244//-1Y	3-D602	AB		R
VHDHSS4148+-1Y	3-D203	AA		R
〃	3-D204	AA		R
〃	3-D301	AA		R
〃	3-D605	AA		R
〃	3-D607	AA		R
〃	3-D801	AA		R
〃	3-D803	AA		R
〃	3-D1005	AA		R
〃	3-D1081	AA		R
〃	3-D1094	AA		R
〃	3-D1801	AA		R
〃	4-D859	AA		R
〃	4-D898	AA		R
VHiAN17820B-1	3-iC301	AL		R
VHiBR24L08F-1Y	3-iC1003	AE		R
VHiLA78040N-1	3-iC501	AE		R
VHiPQ09RDA1-1	3-iC601	AF		R
VHiR2S15903-1Y	3-iC3502	AL		R
VHiSTRW5453-1	3-iC701	AM		R
VP-CF100K0000Y	3-L802	AB		R
〃	3-L804	AB		R
VP-CF220K0000Y	3-L803	AB		R
VP-DF100K0000Y	3-L801	AB		R
〃	3-L807	AB		R
〃	3-L3501	AB		R
VP-DF270K0000Y	3-L203	AB		R
VP-MK820K0000+	4-L851	AB		R
VP-XF2R2K0000Y	3-L205	AB		R
VRC-UA2HG275KY	3-R718	AA		R
VRC-UA2HG825KY	3-R751	AA		R
〃	3-R752	AA		R
VRD-RA2BE101JY	3-R462	AA		R
〃	3-R803	AA		R
〃	3-R805	AA		R
〃	3-R820	AA		R
〃	3-R1004	AA		R
〃	3-R1008	AA		R
〃	3-R1013	AA		R
〃	3-R1015	AA		R
〃	3-R1017	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-R1019	AA		R
〃	3-R3503	AA		R
VRD-RA2BE102JY	3-R301	AA		R
〃	3-R356	AA		R
〃	3-R615	AA		R
〃	3-R616	AA		R
〃	3-R661	AA		R
VRD-RA2BE103JY	3-R523	AA		R
〃	3-R524	AA		R
〃	3-R627	AA		R
〃	3-R662	AA		R
〃	3-R1025	AA		R
VRD-RA2BE122JY	3-R525	AA		R
〃	3-R831	AA		R
VRD-RA2BE123JY	3-R809	AA		R
VRD-RA2BE153JY	3-R722	AA		R
VRD-RA2BE154JY	3-R614	AA		R
VRD-RA2BE181JY	3-R638	AA		R
VRD-RA2BE183JY	3-R1012	AA		R
VRD-RA2BE221JY	3-R704	AA		R
VRD-RA2BE273JY	3-R733	AA		R
VRD-RA2BE331JY	3-R637	AA		R
VRD-RA2BE332JY	3-R1016	AA		R
VRD-RA2BE391JY	3-R1028	AA		R
VRD-RA2BE393JY	3-R602	AA		R
〃	3-R603	AA		R
VRD-RA2BE470JY	4-R864	AA		R
VRD-RA2BE472JY	3-R376	AA		R
VRD-RA2BE473JY	3-R604	AA		R
VRD-RA2BE561JY	4-R895	AA		R
VRD-RA2BE562JY	3-R308	AA		R
〃	3-R314	AA		R
VRD-RA2BE683JY	3-R304	AA		R
VRD-RA2EE472JY	3-R720	AA		R
VRD-RA2EE750JY	3-R459	AA		R
VRD-RM2HD102JY	3-R608	AA		R
VRD-RM2HD104JY	3-R605	AA		R
VRD-RM2HD124JY	3-R753	AA		R
VRD-RM2HD151JY	3-R813	AA		R
VRD-RM2HD184JY	3-R625	AA		R
VRD-RM2HD1R0JY	3-R507	AA		R
〃	3-R710	AA		R
VRD-RM2HD270JY	3-R601	AA		R
〃	3-R609	AA		R
〃	3-R612	AA		R
VRD-RM2HD271JY	3-R639	AA		R
VRD-RM2HD332JY	4-R880	AA		R
〃	4-R881	AA		R
〃	4-R882	AA		R
VRD-RM2HD333JY	3-R513	AA		R
VRD-RM2HD682JY	3-R514	AA		R
VRN-RL2HC4R7J+	3-R621	AB		R
VRN-RL2HCR47J+	3-R726	AB		R
VRN-RL3AB1R5J+	3-R611	AB		R
VRN-RL3AB8R2J+	3-R754	AB		R
VRN-RL3ABR22J+	3-R391	AB		R
VRN-RL3DB1R0J+	3-R503	AB		R
〃	3-R642	AB		R
VRN-RL3DBR22J+	3-R706	AB		R
VRN-RL3DBR56J+	3-R302	AB		R
VRN-RL3DBR82J+	3-R705	AB		R
VRN-RL3LBR22J+	3-R606	AD		R
VRS-CY1JF000JY	3-RJ1	AA		R
〃	3-RJ2	AA		R
〃	3-RJ5	AA		R
〃	3-RJ6	AA		R
〃	3-RJ7	AA		R
〃	3-RJ8	AA		R
〃	3-RJ12	AA		R
〃	3-RJ13	AA		R
〃	3-RJ15	AA		R
〃	3-RJ16	AA		R
〃	3-C1008	AA		R
〃	3-C1009	AA		R
〃	3-C1010	AA		R
〃	3-C1011	AA		R
〃	3-C1012	AA		R
〃	3-C1846	AA		R
〃	3-C1847	AA		R
〃	3-C1849	AA		R
VRS-CY1JF101JY	3-R201	AA		R
〃	3-R202	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-R804	AA		R
〃	3-R808	AA		R
〃	3-R814	AA		R
〃	3-R815	AA		R
〃	3-R1014	AA		R
〃	3-R1024	AA		R
〃	3-R1031	AA		R
〃	3-R3501	AA		R
〃	3-R3502	AA		R
〃	3-R3504	AA		R
〃	3-R3508	AA		R
〃	3-R3509	AA		R
VRS-CY1JF102JY	3-R307	AA		R
〃	3-R315	AA		R
〃	3-R353	AA		R
〃	3-R801	AA		R
〃	3-R1003	AA		R
〃	3-R1039	AA		R
〃	3-R1087	AA		R
VRS-CY1JF103JY	3-R373	AA		R
〃	3-R458	AA		R
〃	3-R520	AA		R
〃	3-R618	AA		R
〃	3-R810	AA		R
〃	3-R811	AA		R
〃	3-R835	AA		R
〃	3-R1018	AA		R
〃	3-R1030	AA		R
〃	3-R3510	AA		R
VRS-CY1JF104JY	3-R372	AA		R
〃	3-R374	AA		R
〃	3-R1010	AA		R
〃	3-R1027	AA		R
VRS-CY1JF105JY	3-R3522	AA		R
VRS-CY1JF121JY	4-R876	AA		R
〃	4-R877	AA		R
〃	4-R878	AA		R
VRS-CY1JF123JY	3-R617	AA		R
VRS-CY1JF124JY	3-R807	AA		R
〃	3-R1802	AA		R
VRS-CY1JF152JY	4-R891	AA		R
〃	4-R894	AA		R
VRS-CY1JF181JY	3-R824	AA		R
〃	3-R826	AA		R
〃	3-R827	AA		R
VRS-CY1JF182JY	3-R832	AA		R
〃	3-R833	AA		R
〃	3-R834	AA		R
VRS-CY1JF183JY	3-R1011	AA		R
〃	3-R1020	AA		R
〃	3-R1022	AA		R
〃	3-R1026	AA		R
VRS-CY1JF220JY	3-R818	AA		R
VRS-CY1JF222JY	3-R504	AA		R
〃	3-R1801	AA		R
VRS-CY1JF223JY	3-R819	AA		R
〃	3-R828	AA		R
VRS-CY1JF271JY	4-R849	AA		R
〃	4-R854	AA		R
〃	4-R855	AA		R
VRS-CY1JF272JY	3-R823	AA		R
VRS-CY1JF274JY	3-R305	AA		R
VRS-CY1JF332JY	3-R204	AA		R
〃	3-R362	AA		R
〃	3-R366	AA		R
〃	3-R1032	AA		R
〃	3-R1056	AA		R
〃	3-R1074	AA		R
〃	3-R1078	AA		R
〃	3-R1079	AA		R
VRS-CY1JF391JY	4-R892	AA		R
VRS-CY1JF470JY	4-R850	AA		R
〃	4-R851	AA		R
〃	4-R852	AA		R
VRS-CY1JF471JY	3-R817	AA		R
VRS-CY1JF472JY	3-R626	AA		R
〃	3-R838	AA		R
〃	3-R1092	AA		R
VRS-CY1JF473JY	3-R303	AA		R
〃	3-R802	AA		R
〃	3-R825	AA		R
〃	3-R829	AA		R

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-R1894	AA		R
〃	3-R1895	AA		R
〃	3-R1896	AA		R
VRS-CY1JF561JY	3-R822	AA		R
VRS-CY1JF562JY	3-R1038	AA		R
VRS-CY1JF681JY	3-R816	AA		R
VRS-CY1JF750JY	3-R461	AA		R
VRS-CY1JF822JY	3-R806	AA		R
〃	3-R812	AA		R
〃	3-R1021	AA		R
〃	3-R3523	AA		R
〃	3-R3524	AA		R
VRS-RG3AB331J+	3-R506	AB		R
VRS-RG3DB121J+	3-R755	AB		R
VRS-RG3LB391J+	3-R631			R
VRS-RG3LB393J+	3-R216	AC		R
VRS-VV3DB124J	3-R702	AA		R
VRS-VV3DB153J	4-R859	AA		R
〃	4-R861	AA		R
〃	4-R863	AA		R
VRS-VV3DB682J	3-R622	AA		R
VS2SA1530AR-1Y	3-Q802	AB		R
〃	3-Q805	AB		R
〃	4-Q894	AB		R
VS2SC2235Y/1E+	3-Q601	AE		R
VS2SC3198-G-1+	3-Q603	AA		R
VS2SC3928AR-1Y	3-Q350	AB		R
〃	3-Q351	AB		R
〃	3-Q604	AB		R
〃	3-Q801	AB		R
〃	3-Q803	AB		R
〃	3-Q1001	AB		R
〃	3-Q1002	AB		R
〃	3-Q1070	AB		R
〃	3-Q1801	AB		R
VS2SD468-C/-1+	3-Q751	AD		R
〃	3-Q752	AD		R
〃	3-Q753	AD		R
〃	3-Q754	AD		R
VSP9050PB53WA	5-SP301	AH		R
VSTT2140+++-F	3-Q602	AG		R
VW7UGB4-040AA	3-J3			R
VW7UGB8-080BB	3-J4			R
〃	3-J5			R

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